

# Oleg A Rakitin

## List of Publications by Citations

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237  
papers

2,741  
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h-index

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304  
ext. papers

3,270  
ext. citations

3.4  
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5.37  
L-index

#	Paper	IF	Citations
237	Breaking the Mold of Discotic Liquid Crystals. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 296-299	10.4	137
236	Breathing some new life into an old topic: chalcogen-nitrogen heterocycles as electron acceptors. <i>Molecules</i> , <b>2013</b> , 18, 9850-900	4.8	74
235	Pentathiepins. <i>Chemical Reviews</i> , <b>2004</b> , 104, 2617-30	68.1	66
234	One-pot synthesis of 5-phenylimino, 5-thieno or 5-oxo-1,2,3-dithiazoles and evaluation of their antimicrobial and antitumor activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 136-41	2.9	49
233	First charge-transfer complexes between tetrathiafulvalene and 1,2,5-chalcogenadiazole derivatives: Design, synthesis, crystal structures, electronic and electrical properties. <i>Synthetic Metals</i> , <b>2012</b> , 162, 2267-2276	3.6	46
232	Selective Syntheses of Bis[1,2]dithiolo[1,4]thiazines and Bis[1,2]dithiopyrroles from H <sub>2</sub> g's Base. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 2189-2196	4.2	44
231	Conversion of imino-1,2,3-dithiazoles into 2-cyanobenzothiazoles, cyanoimidoyl chlorides and diatomic sulfur. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1997</b> , 201-206		41
230	Synthesis and properties of 1,2,3-dithiazoles. <i>Russian Chemical Reviews</i> , <b>2008</b> , 77, 521-546	6.8	41
229	Influence of structural factors on the photovoltaic properties of dye-sensitized solar cells. <i>Russian Chemical Reviews</i> , <b>2016</b> , 85, 1146-1183	6.8	40
228	Stable heterocyclic radicals. <i>Russian Chemical Reviews</i> , <b>2011</b> , 80, 647-659	6.8	35
227	Identification and Optimization of 4-Anilinoquinolines as Inhibitors of Cyclin G Associated Kinase. <i>ChemMedChem</i> , <b>2018</b> , 13, 48-66	3.7	34
226	Recent Developments in the Synthesis and Applications of 1,2,5-Thia- and Selenadiazoles. A Review. <i>Organic Preparations and Procedures International</i> , <b>2014</b> , 46, 475-544	1.1	33
225	Bis(toluene)chromium(I) [1,2,5]thiadiazolo[3,4-c][1,2,5]thiadiazolidyl and [1,2,5]thiadiazolo[3,4-b]pyrazinidyl: new heterospin (S <sub>1</sub> = S <sub>2</sub> = 1/2) radical-ion salts. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 6654-63	5.1	33
224	Peptides and Pseudopeptides as SIRT6 Deacetylation Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , <b>2012</b> , 3, 969-74	4.3	32
223	One-pot synthesis and chemistry of bis[1,2]dithiopyrroles. <i>Chemical Communications</i> , <b>1997</b> , 879-880	5.8	32
222	From H <sub>2</sub> g's Base to Bis([1,2]dithiolo)-[1,4]thiazines in One Pot: The Fast Route to Highly Sulfurated Heterocycles. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 281-283		32
221	Direct synthesis of fused 1,2,3,4,5-pentathiepins. <i>Organic and Biomolecular Chemistry</i> , <b>2005</b> , 3, 3496-501	3.9	32

220	Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006458	5	31
219	A one-step synthesis of fused pentathiepins. <i>Chemical Communications</i> , <b>2002</b> , 1204-5	5.8	30
218	Diazotisation of Weakly Basic Aromatic and Heterocyclic Amines in Strongly Acid Media. <i>Russian Chemical Reviews</i> , <b>1983</b> , 52, 440-445	6.8	30
217	Chapter 4 Sulfur Monochloride in the Synthesis of Heterocyclic Compounds. <i>Advances in Heterocyclic Chemistry</i> , <b>2008</b> , 96, 175-229	2.4	29
216	Robust hydrolysis of prostaglandin glycerol esters by human monoacylglycerol lipase (MAGL). <i>Molecular Pharmacology</i> , <b>2014</b> , 86, 522-35	4.3	28
215	Unprecedented conversion of triethylamine and disulfur dichloride into a thienopentathiepin and a heptathiocane. <i>Organic Letters</i> , <b>2003</b> , 5, 1939-42	6.2	28
214	3,4-Dinitrofuroxan—the First Example of a Pernitro Heterocycle. <i>Mendeleev Communications</i> , <b>1993</b> , 3, 209-210	1.9	28
213	Biochemical and pharmacological characterization of the human lymphocyte antigen B-associated transcript 5 (BAT5/ABHD16A). <i>PLoS ONE</i> , <b>2014</b> , 9, e109869	3.7	27
212	Reactions of vicinal nitroamines with sulfur monochloride—short and convenient route to fused 1,2,5-thiadiazoles and their N-oxides. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 3075-3078	2	26
211	Synthesis of Sulfur-Rich 1,2- and 1,3-Dithiolo Disulfides and Thiodesaurines from Diisopropyl Sulfide. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 4376-4380	4.2	26
210	Cyclopenta-1,2-dithioles, Cyclopenta-1,2-thiazines, and Methylenoindenes from New Molecular Rearrangements. <i>Journal of Organic Chemistry</i> , <b>1996</b> , 61, 9178-9185	4.2	26
209	The Effects of Sequence Variation on Genome-wide NRF2 Binding—New Target Genes and Regulatory SNPs. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 1760-75	20.1	25
208	Synthesis of [1,3]dithiole and spiro[1,3]dithiole thiopyran derivatives of the [1,2]dithiolo[1,4]thiazine ring system. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 6439-48	4.2	25
207	Synthesis of Bis[1,2]dithiolo[1,4]thiazines and a [1,2]Dithiolo[1,4]thiazine from Tertiary Diisopropylamines. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 5010-5016	4.2	24
206	Synthesis and Applications of 5-Membered Chalcogen-Nitrogen Heterocycles with Three Heteroatoms. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 2397-2416	3	24
205	Synthesis and Properties of the Heterospin ( $S_1 = S_2 = (1/2)$ ) Radical-Ion Salt Bis(mesitylene)molybdenum(II) [1,2,5]Thiadiazolo[3,4-c][1,2,5]thiadiazolidyl. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 7007-13	5.1	23
204	Conversion of N-alkyldiisopropylamines into N,N-bis(5-chloro-3-oxo[1,2]dithiol-4-yl)amines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1999</b> , 2237-2241		23
203	Design of a Cyclin G Associated Kinase (GAK)/Epidermal Growth Factor Receptor (EGFR) Inhibitor Set to Interrogate the Relationship of EGFR and GAK in Chordoma. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 4772-4778	8.3	22

202	Loratadine analogues as MAGL inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 1436-42	2.9	22
201	Direct synthesis of 2-cyanobenzimidazoles and the generation of S <sub>2</sub> . <i>Tetrahedron Letters</i> , <b>1996</b> , 37, 4589-4592		22
200	Dye-sensitized solar cells: Investigation of D-A- $\pi$ A organic sensitizers based on [1,2,5]selenadiazolo[3,4-c]pyridine. <i>Solar Energy</i> , <b>2017</b> , 144, 134-143	6.8	21
199	Synthesis of thiadiazole, dithietane, and imine derivatives of the [1,2]dithiolo[1,4]thiazine ring system. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 5766-71	4.2	21
198	Discovery of triterpenoids as reversible inhibitors of the hydrolase domain containing 12 (ABHD12). <i>PLoS ONE</i> , <b>2014</b> , 9, e98286	3.7	20
197	Synthesis of N-unsubstituted bis[1,2]dithiolo[1,4]thiazines and bis[1,2]dithiopyrroles. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2000</b> , 3421-3427		20
196	New Charge-Transfer Complexes with 1,2,5-Thiadiazoles as Both Electron Acceptors and Donors Featuring an Unprecedented Addition Reaction. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 852-864	4.8	19
195	1,2,5-Chalcogenadiazole-Annulated Tripyrazinoporphyrazines: Synthesis, Spectral Characteristics, and Influence of the Heavy Atom Effect on Their Photophysical Properties. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 596-604	3.2	19
194	Development of Pharmacophore Model for Indeno[1,2-b]indoles as Human Protein Kinase CK2 Inhibitors and Database Mining. <i>Pharmaceuticals</i> , <b>2017</b> , 10,	5.2	19
193	Targeting an EGFR Water Network with 4-Anilinoquin(az)oline Inhibitors for Chordoma. <i>ChemMedChem</i> , <b>2019</b> , 14, 1693-1700	3.7	19
192	1,2,5-Thiadiazole 2-oxides: selective synthesis, structural characterization, and electrochemical properties. <i>Tetrahedron</i> , <b>2014</b> , 70, 5558-5568	2.4	19
191	Fused 1,2,3-Thiaselenazoles Synthesized from 1,2,3-Dithiazoles through Selective Chalcogen Exchange. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 17037-17047	4.8	19
190	Abnormally mild synthesis of bis(dithiolo)pyrroles from 2,5-dimethylpyrroles. <i>Organic Letters</i> , <b>2005</b> , 7, 5725-7	6.2	19
189	Regioselective synthesis of pentathiepine-fused pyrroles and indoles. <i>Mendeleev Communications</i> , <b>2004</b> , 14, 91-92	1.9	19
188	Piperazine and piperidine carboxamides and carbamates as inhibitors of fatty acid amide hydrolase (FAAH) and monoacylglycerol lipase (MAGL). <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 6694-6705	3.4	18
187	Sulfur monochloride in organic synthesis. <i>Russian Chemical Reviews</i> , <b>2014</b> , 83, 225-250	6.8	18
186	Direct Exchange of Oxygen and Selenium Atoms in the 1,2,5-Oxadiazoles and 1,2,5-Selenadiazoles by Action of Sulfur Monochloride. <i>Molecules</i> , <b>2015</b> , 20, 14522-32	4.8	18
185	Direct synthesis of fused 1,2,5-selenadiazoles from 1,2,5-thiadiazoles. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 1107-1110	2	18

184	Design of sulfur heterocycles with sulfur monochloride: synthetic possibilities and prospects. <i>Mendeleev Communications</i> , <b>2009</b> , 19, 55-61	1.9	18
183	Synthesis of thienothiopyranthiones by a new molecular rearrangement. <i>Organic Letters</i> , <b>2005</b> , 7, 791-4	6.2	18
182	1,2,4-Thiadiazole 4-oxides. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1999</b> , 2243-2248		18
181	Evaluation of Substituted 1,2,3-Dithiazoles as Inhibitors of the Feline Immunodeficiency Virus (FIV) Nucleocapsid Protein via a Proposed Zinc Ejection Mechanism. <i>ChemMedChem</i> , <b>2016</b> , 11, 2119-2126	3.7	18
180	Whole grain intake associated molecule 5-aminovaleric acid betaine decreases oxidation of fatty acids in mouse cardiomyocytes. <i>Scientific Reports</i> , <b>2018</b> , 8, 13036	4.9	18
179	1,2,6-Thiadiazinones as Novel Narrow Spectrum Calcium/Calmodulin-Dependent Protein Kinase Kinase 2 (CaMKK2) Inhibitors. <i>Molecules</i> , <b>2018</b> , 23,	4.8	16
178	Evaluation of the antiviral efficacy of bis[1,2]dithiolo[1,4]thiazines and bis[1,2]dithiopyrrole derivatives against the nucleocapsid protein of the Feline Immunodeficiency Virus (FIV) as a model for HIV infection. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 2640-4	2.9	16
177	Mutation of Cys242 of human monoacylglycerol lipase disrupts balanced hydrolysis of 1- and 2-monoacylglycerols and selectively impairs inhibitor potency. <i>Molecular Pharmacology</i> , <b>2014</b> , 85, 510-9	4.3	16
176	[1,2,5]Selenadiazolo[3,4-b]pyrazines: Synthesis from 3,4-Diamino-1,2,5-selenadiazole and Generation of Persistent Radical Anions. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 5585-5593	3.2	16
175	One pot synthesis of 1,2,3-benzodithiazol-6-ones. <i>Tetrahedron</i> , <b>1998</b> , 54, 223-232	2.4	16
174	One-pot synthesis of indeno-1,2-thiazines, -[1,2]dithioles and thiophenes; new liquid crystalline materials. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1999</b> , 1023-1028		16
173	3D molecular network and magnetic ordering, formed by multi-dentate magnetic couplers, bis(benzene)chromium(i) and [1,2,5]thiadiazolo[3,4-c][1,2,5]thiadiazolidyl. <i>Dalton Transactions</i> , <b>2018</b> , 47, 9897-9902	4.3	16
172	Synthesis and comparison of substituted 1,2,3-dithiazole and 1,2,3-thiaselenazole as inhibitors of the feline immunodeficiency virus (FIV) nucleocapsid protein as a model for HIV infection. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2019</b> , 29, 1765-1768	2.9	15
171	1,2,3-Dithiazoles: New reversible melanin synthesis inhibitors: a chemical genomics study. <i>MedChemComm</i> , <b>2015</b> , 6, 935-946	5	15
170	A one-pot synthesis and 1,3-dipolar cycloaddition of [1,2]dithiolo[4,3-b]indole-3(4H)-thiones. <i>Tetrahedron</i> , <b>2009</b> , 65, 2178-2183	2.4	15
169	New route to 2-cyanobenzimidazoles. <i>Tetrahedron</i> , <b>1998</b> , 54, 9639-9650	2.4	15
168	Tertiary amine-B <sub>2</sub> Cl <sub>2</sub> chemistry: interception of reaction intermediates. <i>Chemical Communications</i> , <b>1998</b> , 453-454	5.8	15
167	Synthesis of 1,4-dithiins from pentathiepins. <i>Organic Letters</i> , <b>2006</b> , 8, 4529-32	6.2	15

166	4,5-Dichloro-1,2-dithiole-3-thione in the synthesis of benzimidazole, benzoxazole and benzothiazole derivatives of 1,3-dithioles. <i>Mendeleev Communications</i> , <b>2003</b> , 13, 50-51	1.9	15
165	Fused 1,2,3-Dithiazoles: Convenient Synthesis, Structural Characterization, and Electrochemical Properties. <i>Molecules</i> , <b>2016</b> , 21,	4.8	15
164	Safe Synthesis of 4,7-Dibromo[1,2,5]thiadiazolo[3,4-]pyridazine and Its SAr Reactions. <i>Molecules</i> , <b>2018</b> , 23,	4.8	15
163	Synthesis of the 4,7-Dibromo Derivative of Highly Electron-Deficient [1,2,5]Thiadiazolo[3,4-d]pyridazine and Its Cross-Coupling Reactions. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 5668-5677	3.2	15
162	4,6-Dinitrobenzo[c]isothiazole: synthesis and 1,3-dipolar cycloaddition to azomethine ylide. <i>Mendeleev Communications</i> , <b>2010</b> , 20, 353-354	1.9	14
161	One-pot synthesis of new liquid crystalline indeno heterocyclic materials. <i>Chemical Communications</i> , <b>1999</b> , 73-74	5.8	14
160	Recent Developments in the Synthesis of 1,2,5-Thiadiazoles and 2,1,3-Benzothiadiazoles. <i>Synthesis</i> , <b>2019</b> , 51, 4338-4347	2.9	13
159	[1,2,5]Thiadiazolo[3,4-]Pyridazine as an Internal Acceptor in the D-A- $\pi$ Organic Sensitizers for Dye-Sensitized Solar Cells. <i>Molecules</i> , <b>2019</b> , 24,	4.8	13
158	Novel fused tetrathiocines as antivirals that target the nucleocapsid zinc finger containing protein of the feline immunodeficiency virus (FIV) as a model of HIV infection. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 1352-5	2.9	13
157	[1,4]Dithiino[2,3-c:5,6-c']bis[1,2,5]oxadiazole di-N-oxide: synthesis and oxidation to mono- and bis-S-oxides. <i>Mendeleev Communications</i> , <b>2015</b> , 25, 339-340	1.9	13
156	Potent and selective N-(4-sulfamoylphenyl)thiourea-based GPR55 agonists. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 107, 119-32	6.8	13
155	One-pot synthesis of sulfur heterocycles from simple organic substrates. <i>Arkivoc</i> , <b>2009</b> , 2009, 129-149	0.9	13
154	9-(p-Tolyl)-2,3,4,4a,9,9a-hexahydro-1H-carbazole: A new donor building-block in the design of sensitizers for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 391, 112333	4.7	13
153	DPD-Inspired Discovery of Novel LsrK Kinase Inhibitors: An Opportunity To Fight Antimicrobial Resistance. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 2720-2737	8.3	13
152	Furoxans fused with heterocycles as promising donors and precursors for nitric oxide donors (microreview). <i>Chemistry of Heterocyclic Compounds</i> , <b>2017</b> , 53, 849-851	1.4	12
151	Synthesis of 2,3-dihydronaphtho[2,3-d][1,3]thiazole-4,9-diones and 2,3-dihydroanthra[2,3-d][1,3]thiazole-4,11-diones and novel ring contraction and fusion reaction of 3H-spiro[1,3-thiazole-2,1'-cyclohexanes] into 2,3,4,5-tetrahydro-1H-carbazole-6,11-diones. <i>Beilstein Journal of Organic Chemistry</i> , <b>2013</b> , 9, 577-84	2.5	12
150	Synthesis of bis[1,2]dithiolo[1,4]thiazine imines from H <sub>2</sub> O <sub>2</sub> 's base. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2001</b> , 2409-2412		12
149	Short and efficient synthesis of 1-(2-oxido-1,2,5-oxadiazol-3-yl)alkyl nitrates by unconventional nitroxylation of 3-alkyl-1,2,5-oxadiazole 2-oxides. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 4027-4030	2	12

148	Quinazoline-Based Antivirulence Compounds Selectively Target PhoP/PhoQ Signal Transduction System. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 64,	5.9	12
147	In Vitro and in Silico Evaluation of Bikaverin as a Potent Inhibitor of Human Protein Kinase CK2. <i>Molecules</i> , <b>2019</b> , 24,	4.8	11
146	A short and efficient synthesis of 5,5-bi-1,2,3-dithiazoles. <i>Mendeleev Communications</i> , <b>2015</b> , 25, 427-428	1.9	11
145	1,2,3,4,5-Pentathiepin and 1,2,3,4,5-pentathiepanes. <i>Russian Chemical Reviews</i> , <b>2007</b> , 76, 195-211	6.8	11
144	Selective synthesis of bis[1,2]dithiolo[1,4]thiazines from 4-isopropylamino-5-chloro-1,2-dithiole-3-ones. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 5851-5854	2	11
143	New reactions of Hbig's base with S2Cl2: formation of monocyclic 1,2-dithioles. <i>Mendeleev Communications</i> , <b>2001</b> , 11, 165-166	1.9	11
142	A novel low-bandgap pyridazine thiadiazole-based conjugated polymer with deep molecular orbital levels. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 581-585	4.9	11
141	Fused 1,2,5-thia- and 1,2,5-selenadiazoles: Synthesis and application in materials chemistry. <i>Tetrahedron Letters</i> , <b>2020</b> , 61, 152230	2	11
140	A novel candle light-style OLED with a record low colour temperature. <i>Chemical Communications</i> , <b>2019</b> , 55, 13354-13357	5.8	11
139	Towards the Development of an In vivo Chemical Probe for Cyclin G Associated Kinase (GAK). <i>Molecules</i> , <b>2019</b> , 24,	4.8	11
138	Synthesis of 5-(1,2,5-oxadiazol-3-yl)-1H-etrazoles from 3-cyano-1,2,5-oxadiazoles. <i>Russian Chemical Bulletin</i> , <b>2009</b> , 58, 406-409	1.7	10
137	Chemoproteomic, biochemical and pharmacological approaches in the discovery of inhibitors targeting human Phydrolase domain containing 11 (ABHD11). <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 93, 253-63	5.1	9
136	Bis[1,2]dithiolo[3,4-b][4?,3?-e][1,4]thiazine-3,5-dione, a planar 1,4-thiazine. <i>Chemical Communications</i> , <b>1999</b> , 29-30	5.8	9
135	Cyclopenta-1,2-dithioles and cyclopenta-1,2-thiazines from new molecular rearrangements. <i>Chemical Communications</i> , <b>1996</b> , 427	5.8	9
134	Synthesis and nucleophilic substitution reactions of 3,4-dinitrofuroxan. <i>Chemistry of Heterocyclic Compounds</i> , <b>1994</b> , 30, 465-469	1.4	9
133	Design and Analysis of the 4-Anilinoquin(az)oline Kinase Inhibition Profiles of GAK/SLK/STK10 Using Quantitative Structure-Activity Relationships. <i>ChemMedChem</i> , <b>2020</b> , 15, 26-49	3.7	9
132	Structure-Based Virtual Screening of LsrK Kinase Inhibitors to Target Quorum Sensing. <i>ChemMedChem</i> , <b>2018</b> , 13, 2400-2407	3.7	9
131	Design, synthesis, and biological evaluation of 2,4-dihydropyrano[2,3-c]pyrazole derivatives as autotaxin inhibitors. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 107, 97-111	5.1	8

- 130 Synthesis of 17-(1,2,3-dithiazole) androstene derivatives. *Mendeleev Communications*, **2011**, 21, 186-187 1.9 8
- 129 Reaction of furoxanenitrolic acids with nitrogen tetroxide. *Chemistry of Heterocyclic Compounds*, **1993**, 29, 1099-1103 1.4 8
- 128 [1,2,5]Oxadiazolo[3,4-d]pyridazine 1,5,6-trioxides: efficient synthesis via the reaction of 3,4-bis(hydroxyimino)methyl)-1,2,5-oxadiazole 2-oxides with a mixture of concentrated nitric and trifluoroacetic acids and structural characterization. *Tetrahedron Letters*, **2018**, 59, 3143-3146 2 8
- 127 4,7-Dibromo-substituted 2,1,3-benzothia(selena,oxa)diazoles and [1, 2, 5]thia(selena)diazolo[3,4-c]pyridines as building blocks in solar cells components (microreview). *Chemistry of Heterocyclic Compounds*, **2017**, 53, 855-857 1.4 7
- 126 Revisiting 1,3,4-Oxadiazol-2-ones: Utilization in the Development of ABHD6 Inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 6335-45 3-4 7
- 125 Bis[1,2,5]oxadiazolo[3,4-c:3'4'b]pyridazine 4,5-dioxide as a synthetic equivalent of 4,4-dinitroso-3,3-bifurazan. *Mendeleev Communications*, **2017**, 27, 448-450 1.9 7
- 124 Synthesis and properties of 4-substituted 5H-1,2,3-dithiazol-5-ylidenes. *Russian Chemical Bulletin*, **2009**, 58, 437-441 1.7 7
- 123 Reactions of 4-substituted 5H-1,2,3-dithiazoles with primary and secondary amines: fast and convenient synthesis of 1,2,5-thiadiazoles, 2-iminothioacetamides and 2-oxoacetamides. *Tetrahedron*, **2010**, 66, 4330-4338 2.4 7
- 122 Synthesis of 5-mercapto-1,2-dithiole-3-thiones and their transformation into 5-chloro-1,2-dithiol-3-ones. *Russian Chemical Bulletin*, **2006**, 55, 147-151 1.7 7
- 121 Synthesis of 1,3,4-thiadiazolines from 1,2-dithiole-3-thiones. *Mendeleev Communications*, **2005**, 15, 55-56 1.9 7
- 120 Direct conversion of N-ethylamines into functionalised amides by S<sub>2</sub>Cl<sub>2</sub>. *Mendeleev Communications*, **2001**, 11, 167-168 1.9 7
- 119 Synthesis of 4,7-diaminopyridazino[4,5-c]furoxan. *Russian Chemical Bulletin*, **1995**, 44, 1499-1500 1.7 7
- 118 A SIMPLE SYNTHESIS OF THE HETEROCYCLIC S,S-DIPHENYLSULFILIMINES. *Organic Preparations and Procedures International*, **1994**, 26, 331-335 1.1 7
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- 115 Antimicrobial and Antifungal Activity of Rare Substituted 1,2,3-Thiaselenazoles and Corresponding Matched Pair 1,2,3-Dithiazoles. *Antibiotics*, **2020**, 9, 4-9 6
- 114 New Insights into 4-Anilinoquinazolines as Inhibitors of Cardiac Troponin I-Interacting Kinase (TNNi3K). *Molecules*, **2020**, 25, 4-8 6
- 113 The Conversion of 5,5'-Bi(1,2,3-dithiazolyliidenes) into Isothiazolo[5,4-]isothiazoles. *Molecules*, **2018**, 23, 4-8 6



112	Reactivity of 1,2-dithioles. <i>Russian Chemical Reviews</i> , <b>2012</b> , 81, 638-661	6.8	6
111	Von der H <sub>2</sub> S-Base zu Bis([1,2]dithiolo)-[1,4]thiazinen in einer Eintopfreaktion: ein schneller Weg zu Polyschwefel-Heterocyclen. <i>Angewandte Chemie</i> , <b>1997</b> , 109, 283-285	3.6	6
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109	A MILD CONVENIENT SYNTHESIS OF HETEROCYCLIC TRIPHENYLPHOSPHINE IMINES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1993</b> , 78, 309-312	1	6
108	Investigation of the Pentathiepin Functionality as an Inhibitor of Feline Immunodeficiency Virus (FIV) via a Potential Zinc Ejection Mechanism, as a Model for HIV Infection. <i>ChemMedChem</i> , <b>2019</b> , 14, 454-461	3.7	6
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103	Novel epidithiodiketopiperazines as anti-viral zinc ejectors of the Feline Immunodeficiency Virus (FIV) nucleocapsid protein as a model for HIV infection. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 4174-4184	3.4	5
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100	Synthesis of 1,2,5-thiadiazole-3(2H)-thiones and 1,2,5-thiadiazol-3(2H)-ones from 1,2,3-dithiazoles. <i>Mendeleev Communications</i> , <b>2009</b> , 19, 84-86	1.9	5
99	Regioselective synthesis of pentathiepins fused with pyrrole, thiophene, or indole rings. <i>Russian Chemical Bulletin</i> , <b>2006</b> , 55, 2081-2084	1.7	5
98	New routes to 1,2-dithiole-3-thiones and 3-imines. <i>Mendeleev Communications</i> , <b>2005</b> , 15, 20-21	1.9	5
97	1,2,4-Thiadiazole 4-oxides. <i>Chemical Communications</i> , <b>1996</b> , 1273	5.8	5
96	Phosphiniminofuroxanes: Synthesis and oxidation to diazene oxide derivatives. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1991</b> , 40, 455-456		5
95	X-Ray structural investigation of glyoxime derivatives. I. Molecular and crystal structure of amino- and diaminoglyoximes. <i>Journal of Structural Chemistry</i> , <b>1989</b> , 30, 129-133	0.9	5

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93	SARS-CoV-2-host proteome interactions for antiviral drug discovery. <i>Molecular Systems Biology</i> , <b>2021</b> , 17, e10396	12.2	5
92	Structural review of PPAR $\alpha$ complex with ligands: Cartesian- and dihedral angle principal component analyses of X-ray crystallographic data. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2017</b> , 85, 1684-1698	4.2	4
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90	Time-Dependent Inhibition of CYP2C19 by Isoquinoline Alkaloids: In Vitro and In Silico Analysis. <i>Drug Metabolism and Disposition</i> , <b>2015</b> , 43, 1891-904	4	4
89	A short and efficient route from tetrahydrothiophene to thieno[2,3-d][1,3,2]dithiazolium salts. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 3767-3770	2	4
88	Design and Theoretical Study of D $\pi$ A Organic Sensitizers with [1,2,5]Thiadiazolo[3,4-c]pyridine, [1,2,5]Selenadiazolo[3,4-c]pyridine, and [1,2,5]Oxadiazolo[3,4-c]pyridine Component. <i>Journal of Chemistry</i> , <b>2015</b> , 2015, 1-8	2.3	4
87	A simple and straightforward method for determination of oxime group configuration in ethanone oximes by differential NOE experiments. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 5684-5687	2	4
86	Unexpected formation of 5,5-diethoxy-5H-1,2,3-dithiazoles from 5H-1,2,3-dithiazole-5-thiones. <i>Mendeleev Communications</i> , <b>2010</b> , 20, 212-214	1.9	4
85	A novel transformation of 1,2-dithiole-3-thiones into 1,3-thiazine-4-thiones. <i>Russian Chemical Bulletin</i> , <b>2008</b> , 57, 1790-1791	1.7	4
84	4-Methyl-1,2,5-oxadiazole-3-carbonitrile in the synthesis of 1,2,5-oxadiazolyl-1,2,4-oxadiazoles. <i>Russian Chemical Bulletin</i> , <b>2008</b> , 57, 2440-2442	1.7	4
83	Nitro group substitution in nitrochlorofuroxan using N- and O-triisopropylsilyl derivatives. <i>Chemistry of Heterocyclic Compounds</i> , <b>1994</b> , 30, 979-981	1.4	4
82	An unusual reaction of nitrochlorofuroxane with ammonia. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1986</b> , 35, 2198-2198		4
81	Docking-Based 3D-QSAR Studies for 1,3,4-oxadiazol-2-one Derivatives as FAAH Inhibitors. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
80	Synthesis and Reactivity of 3-1,2-dithiole-3-thiones. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
79	Suzuki cross-coupling reactions of 4,7-dibromo[1,2,5]selenadiazolo[3,4-c]pyridine as a path to new solar cell components. <i>Chemistry of Heterocyclic Compounds</i> , <b>2017</b> , 53, 608-614	1.4	3
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77	4,7-Dichloro[1,2,5]oxadiazolo[3,4-d]pyridazine 1-oxide. <i>MolBank</i> , <b>2018</b> , 2018, M982	0.5	3

76	Synthesis of 4,8-dihydro-7H-[1,2]dithiolo[3,4-b][1,2,5]oxadiazolo-[3,4-e]pyrazine-7-thione as a new heterocyclic system. <i>Russian Chemical Bulletin</i> , <b>2014</b> , 63, 552-553	1.7	3
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73	Synthesis of 1-[(1,2-dithiol-3-ylidene)methyl]pyrrolo[1,2-a]pyrazines and 2-[(1,2-dithiol-3-ylidene)methyl]pyridines from 1,2-dithiole-3-thiones. <i>Russian Chemical Bulletin</i> , <b>2013</b> , 62, 1076-1079	1.7	3
72	Unexpected and Rich Chemistry of 4,5-Dichloro-1,2-dithiole-3-thione. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 1201-1204	1	3
71	Synthesis of 3-methyl-4-(5-R-1H-1,2,4-triazol-3-yl)-1,2,5-oxadiazoles. <i>Russian Chemical Bulletin</i> , <b>2010</b> , 59, 483-485	1.7	3
70	Identification of the [1,3]dithiolo[4,5-d]dithiazolyl radical. <i>Mendeleev Communications</i> , <b>2010</b> , 20, 80-82	1.9	3
69	Synthesis of 2-iminothiophen-3(2H)-ones from 3H-1,2-dithiol-3-ones. <i>Mendeleev Communications</i> , <b>2010</b> , 20, 282-284	1.9	3
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67	Synthesis of 1,2,5,6-tetrathiocines from fused 1,2,3,4,5-pentathiepins. <i>Russian Chemical Bulletin</i> , <b>2007</b> , 56, 1540-1543	1.7	3
66	Sulfoliminofuroxans: Synthesis, structure, and oxidation to nitro and nitroso derivatives. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1990</b> , 39, 1474-1478		3
65	Spin-spin coupling constants in methylfuroxanes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1987</b> , 36, 2649-2650		3
64	Synthesis of [1,3,2]dithiazolo[4,5-b][1,2,5]oxadiazolo[3,4-e]pyrazines. <i>Arkivoc</i> , <b>2011</b> , 2011, 69-81	0.9	3
63	Exploration and Development of a C <sup>H</sup> -Activated Route to Access the [1,2]Dithiolo[4,3-b]indole-3(4H)-thione Core and Related Derivatives. <i>Synlett</i> , <b>2019</b> , 30, 156-160	2.2	3
62	Structural features of indoline donors in D <sup>A</sup> -A type organic sensitizers for dye-sensitized solar cells. <i>Molecular Systems Design and Engineering</i> , <b>2021</b> , 6, 730-738	4.6	3
61	Synthesis of 6,7-Dihydropyrrolo[2,1-c][1,3]thiazino[3,2-a]pyrazine-4(11bH)-(thi)ones from 1,2-Dithiole-3-(thi)ones. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 4149-4158	3.2	2
60	3,6-Dibromopyridazine-4,5-diamine. <i>MolBank</i> , <b>2019</b> , 2019, M1053	0.5	2
59	Evaluation of FASN inhibitors by a versatile toolkit reveals differences in pharmacology between human and rodent FASN preparations and in antiproliferative efficacy in vitro vs. in situ in human cancer cells. <i>European Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 149, 105321	5.1	2

58	Unusual transformation of 3-alkylfuroxans into 3-(nitrooxyalkyl)furoxans on treatment with a mixture of nitric and sulfuric acids. <i>Russian Chemical Bulletin</i> , <b>2016</b> , 65, 2901-2906	1.7	2
57	1,3-Oxa/thia-2-azoles <b>1996</b> , 433-452		2
56	Syntheses with nitrile oxides. 2. Reaction of aromatic nitrile oxides with bis(trimethylsilylcarbodiimide). <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , <b>1992</b> , 41, 1910-1912		2
55	Furazane disulfilmines. <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , <b>1992</b> , 41, 1505-1506		2
54	Syntheses based on nitrile oxides. 1. Reaction of aromatic nitrile oxides with N-cyanimides. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1990</b> , 39, 1896-1900		2
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51	1,2-Oxa/thia-3-azoles <b>1996</b> , 409-432		2
50	Reactions of 4,7-dibromo[1,2,5]thiadiazolo[3,4-d]pyridazine with alcohols. <i>Russian Chemical Bulletin</i> , <b>2020</b> , 69, 2167-2170	1.7	2
49	Synthesis and studies of acetylthioglycoside conjugates of 4-chloro-1,2-dithiole-3-thione as potential antitumor agents. <i>Russian Chemical Bulletin</i> , <b>2021</b> , 70, 573-579	1.7	2
48	Novel D-A-D Fluorescent Dyes Based on 9-(Tolyl)-2,3,4,4a,9,9a-hexahydro-1-carbazole as a Donor Unit for Solution-Processed Organic Light-Emitting-Diodes. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
47	Chalcogen exchange in chalcogen-nitrogen heterocycles. <i>Mendeleev Communications</i> , <b>2021</b> , 31, 433-441	1.9	2
46	4-Chloro-6-(chloromethyl)-1-methyl-1H-pyrazolo[3,4-d]pyrimidine. <i>MolBank</i> , <b>2021</b> , 2021, M1253	0.5	2
45	Synthesis and Identification of Pentathiepin-Based Inhibitors of. <i>Antibiotics</i> , <b>2019</b> , 8,	4.9	2
44	Molecular characteristics supporting l-Type amino acid transporter 1 (LAT1)-mediated translocation. <i>Bioorganic Chemistry</i> , <b>2021</b> , 112, 104921	5.1	2
43	Synthesis and Evaluation of Novel 1,2,6-Thiadiazinone Kinase Inhibitors as Potent Inhibitors of Solid Tumors. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
42	Breaking the Mold of Discotic Liquid Crystals <b>1998</b> , 37, 296		2
41	Synthesis of 1,3-thiazetidin-2-imines from 3H-1,2-dithiol-3-imines. <i>Russian Chemical Bulletin</i> , <b>2012</b> , 61, 680-681	1.7	1

40	Rapid and Effective Synthesis of Diarylsulfur Diimides from Substituted Anilines and Sulfur Monochloride. <i>Synthesis</i> , <b>2013</b> , 45, 655-658	2.9	1
39	Synthesis and reactivity of 1,3,2-dithiazoles (review). <i>Chemistry of Heterocyclic Compounds</i> , <b>2011</b> , 47, 789-806	1.4	1
38	Reactions of nitrile oxides with nitrogen oxides. 2. Reactions with nitrogen monoxide and nitrogen sesquioxide. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1990</b> , 39, 1472-1474		1
37	NMR spectra and configurations of monosubstituted glyoximes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1990</b> , 39, 912-916		1
36	An x-ray diffraction structural investigation of glyoxime derivatives. 3. The molecular and crystal structure of amphi-phenyl- and amphi-chloroglyoximes. <i>Journal of Structural Chemistry</i> , <b>1990</b> , 30, 963-967	9.9	1
35	2-Sulfiliminopyridines and their oxidation to 2-nitropyridines. <i>Chemistry of Heterocyclic Compounds</i> , <b>1990</b> , 26, 1281-1283	1.4	1
34	NMR spectra and structure of 4,7-dimethylpyridazino[4,5-c]furoxane N,N?-dioxide. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1988</b> , 37, 2571-2572		1
33	4,7-Bis(dodecylthio)-[1,2,5]thiadiazolo[3,4-c]pyridine. <i>MolBank</i> , <b>2021</b> , 2021, M1291	0.5	1
32	Ethyl 11a,12-Dihydrobenzo[b]benzo[5,6][1,4]oxazino[2,3-e][1,4]oxazine-5a(6H)-carboxylate. <i>MolBank</i> , <b>2020</b> , 2020, M1149	0.5	1
31	Synthesis of 2-((2-(Benzo[d]oxazol-2-yl)-2-imidazol-4-yl)amino)-phenols from 2-((5-1,2,3-Dithiazol-5-ylidene)amino)phenols through Unprecedented Formation of Imidazole Ring from Two Methanimino Groups. <i>Molecules</i> , <b>2020</b> , 25,	4.8	1
30	Structural Characterization of LsrK as a Quorum Sensing Target and a Comparison between X-ray and Homology Models. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 1346-1353	6.1	1
29	7-Bromo-[1,2,5]selenadiazolo[3,4-d]pyridazin-4(5H)-one. <i>MolBank</i> , <b>2021</b> , 2021, M1229	0.5	1
28	tert-Butyl Bis(4?-(Hexyloxy)-[1,1?-biphenyl]-4-yl)carbamate. <i>MolBank</i> , <b>2021</b> , 2021, M1247	0.5	1
27	8-(Pyrimidin-2-yl)-1,2,3,4,5,6,7,8-heptathiazocane. <i>MolBank</i> , <b>2019</b> , 2019, M1091	0.5	1
26	Synthesis and structural investigation of 4,4?-dimethyl-[3,3?-bi(1,2,5-oxadiazole)] 5,5?-dioxide. <i>Russian Chemical Bulletin</i> , <b>2018</b> , 67, 2044-2048	1.7	1
25	Synthesis and evaluation of 1,2,3-dithiazole inhibitors of the nucleocapsid protein of feline immunodeficiency virus (FIV) as a model for HIV infection. <i>Bioorganic and Medicinal Chemistry</i> , <b>2022</b> , 68, 116834	3.4	1
24	[(4-Sulfanylidene-4H-1,3,2-dithiazol-5-yl)sulfanyl]formic acid derivatives: synthesis from 5-oxo[1,3]dithiolo[4,5-d][1,3,2]dithiazol-1-ium chloride and structural characterization. <i>Mendeleev Communications</i> , <b>2010</b> , 20, 279-281	1.9	0
23	Vibrational spectra and structure of symmetrical glyoximes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1986</b> , 35, 2150-2152		0

22	6-(Chloromethyl)-N,1-dimethyl-1H-pyrazolo[3,4-d]pyrimidin-4-amine. <i>MolBank</i> , <b>2021</b> , 2021, M1294	0.5	o
21	4,7-Bis(1,2,3,4,4a,9a-Hexahydro-9H-carbazol-9-yl)-[1,2,5]oxadiazolo[3,4-d]pyridazine. <i>MolBank</i> , <b>2021</b> , 2021, M1295	0.5	o
20	High-pressure transformation of dithiazolylidene-dithiazolium polyiodide with N-H... hydrogen bond: A Raman Spectroscopy study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 268, 120635	4.4	o
19	4-(7-Bromobenzo[d][1,2,3]thiadiazol-4-yl)morpholine. <i>MolBank</i> , <b>2021</b> , 2021, M1202	0.5	o
18	Synthesis and study of thioglycoside conjugates of 4-chloro-1,2-dithiol-3-one as potential cancer-preventive substances in vitro and in vivo. <i>Russian Chemical Bulletin</i> , <b>2022</b> , 71, 489-495	1.7	o
17	4-Bromobenzo[1,2-d:4,5-d']bis([1,2,3]thiadiazole). <i>MolBank</i> , <b>2022</b> , 2022, M1362	0.5	o
16	New DAD luminophores of the [1,2,5]thiadiazolo[3,4-d]pyridazine series. <i>Mendeleev Communications</i> , <b>2022</b> , 32, 371-373	1.9	o
15	(E)-4-(2-(7-Bromo-[1,2,5]thiadiazolo[3,4-c]pyridin-4-yl)vinyl)-N,N-diphenylaniline. <i>MolBank</i> , <b>2022</b> , 2022, M1368	0.5	o
14	8,18-Dithia-1,4,11,14-tetraazapentacyclo[11.7.0.03,11.05,9.015,19]icosa-3,5(9),6,13,15(19),16-hexaene-10,20-dione. <i>MolBank</i> , <b>2019</b> , 2019, M1056	0.5	o
13	Synthesis of 8-oxa-2-azaspiro[4.5]decane. <i>Russian Chemical Bulletin</i> , <b>2020</b> , 69, 2017-2019	1.7	o
12	Cover Image, Volume 85, Issue 9. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2017</b> , 85, C1-C1	4.2	o
11	Reaction of hydroxyiminoacetonitrile oxides with potassium thiocyanate. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1991</b> , 40, 784-788	o	o
10	Crystal and molecular structure of 4-amino-3-phenyl-and 4-dimethylfuleinylimino-3-phenylfuroxanes. <i>Journal of Structural Chemistry</i> , <b>1992</b> , 32, 450-453	0.9	o
9	Syntheses based on nitrile oxides. <i>Russian Chemical Bulletin</i> , <b>1993</b> , 42, 706-708	1.7	o
8	X-ray structural investigation of glyoxime derivatives II. Molecular and crystal structure of diaminetetraoxime. <i>Journal of Structural Chemistry</i> , <b>1989</b> , 30, 155-157	0.9	o
7	Reactions of nitrile oxides with nitrogen oxides. 1. Reactions with nitrogen tetroxide. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , <b>1990</b> , 39, 1469-1471	o	o
6	4,7-Bis(5-(9-hexyl-9H-carbazol-3-yl)thiophen-2-yl)-[1,2,5]thiadiazolo[3,4-d]pyridazine. <i>MolBank</i> , <b>2022</b> , 2022, M1332	0.5	o
5	N,N-Bis(4-(hexyloxy)-[1,1'-biphenyl]-4-yl)thiophen-2-amine. <i>MolBank</i> , <b>2021</b> , 2021, M1290	0.5	o

- 4 (2,3-Dihydro-1H-indol-5-ylmethyl)amine. *MolBank*, **2021**, 2021, M1248 0.5
- 3 Identification of Key Amino Acids that Impact Organic Solute Transporter / (OSTA) *Molecular Pharmacology*, **2021**, 100, 599-608 4.3
- 2 7,7-[4,4-Bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene-2,6-diyl]bis(4-bromobenzo[c][1,2,5]thiadiazole). *MolBank*, **2022**, 2022, M1310 0.5
- 1 5,5?-Thiobis(4-chloro-3H-1,2-dithiole-3-thione). *MolBank*, **2022**, 2022, M1371 0.5