Vincenzo Frenna

List of Publications by Year in descending order

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		430874	395702
83	1,477	18	33
papers	citations	h-index	g-index
86	86	86	583
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Ring Transformations of Five-Membered Heterocycles. Advances in Heterocyclic Chemistry, 1993, 56, 49-154.	1.7	105
2	Study of Aromatic Nucleophilic Substitution with Amines on Nitrothiophenes in Room-Temperature lonic Liquids:  Are the Different Effects on the Behavior of para-Like and ortho-Like Isomers on Going from Conventional Solvents to Room-Temperature Ionic Liquids Related to Solvation Effects?. Journal of Organic Chemistry, 2006, 71, 5144-5150.	3.2	88
3	Amine basicities in benzene and in water. Journal of the Chemical Society Perkin Transactions II, 1985, , 1865.	0.9	72
4	Room Temperature Ionic Liquids Structure and its Effect on the Mononuclear Rearrangement of Heterocycles:Â An Approach Using Thermodynamic Parameters. Journal of Organic Chemistry, 2006, 71, 9637-9642.	3.2	58
5	On the characterization of some [bmim] [X]/co-solvent binary mixtures: a multidisciplinary approach by using kinetic, spectrophotometric and conductometric investigations. Tetrahedron, 2008, 64, 672-680.	1.9	56
6	Can the Absence of Solvation of Neutral Reagents by Ionic Liquids Be Responsible for the High Reactivity in Base-Assisted Intramolecular Nucleophilic Substitutions in These Solvents?. Journal of Organic Chemistry, 2005, 70, 2828-2831.	3.2	53
7	Effect of ionic liquid organizing ability and amine structure on the rate and mechanism of base induced elimination of $1,1,1$ -tribromo- $2,2$ -bis(phenyl-substituted)ethanes. Tetrahedron, 2006, 62, 1690-1698.	1.9	51
8	Convergent Results from Experimental and Theoretical DFT Studies of the Intramolecular Rearrangement of Z-Hydrazones of 3-Acyl-1,2,4-Oxadiazoles. Journal of Physical Chemistry A, 2004, 108, 1731-1740.	2.5	46
9	The First Kinetic Evidence for Acid Catalysis in a Monocyclic Rearrangement of Heterocycles: Conversion of the Z-Phenylhydrazone of 5-Amino-3-benzoyl-1,2,4-oxadiazole into N,5-Diphenyl-2H-1,2,3-triazol-4-ylurea. Journal of Organic Chemistry, 2002, 67, 8010-8018.	3.2	41
10	On the Rearrangement in Dioxane/Water of (Z)-Arylhydrazones of 5-Amino-3-benzoyl-1,2,4-oxadiazole into (2-Aryl-5-phenyl-2H-1,2,3-triazol-4-yl)ureas:Â Substituent Effects on the Different Reaction Pathways. Journal of Organic Chemistry, 2006, 71, 5616-5624.	3.2	38
11	Mononuclear heterocyclic rearrangement. Note I. Kinetic study of the rearrangement of the phenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2,5-diphenyl-4-benzoylamino-1,2,3-triazole. Journal of Heterocyclic Chemistry, 1976, 13, 357-360.	2.6	37
12	On the Synthesis and Reactivity of the Z-2,4-Dinitrophenylhydrazone of 5-Amino-3-benzoyl-1,2,4-oxadiazole. Journal of Organic Chemistry, 2001, 66, 6124-6129.	3.2	32
13	A green way to \hat{I}^3 -lactams through a copper catalyzed ARGET-ATRC in ethanol and in the presence of ascorbic acid. Tetrahedron, 2011, 67, 408-416.	1.9	29
14	Mononuclear heterocyclic rearrangements. Part 2. Substituent effects on the rate of rearrangement of some arylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2-aryl-4-benzoylamino-5-phenyl-1,2,3-triazole, at pS + 3.80. Journal of the Chemical Society Perkin Transactions II, 1978, , 19.	0.9	25
15	Mononuclear heterocyclic rearrangements. Part 4 Synthesis and characterization of the <i>E</i> à€isomer phenylhydrazone of 3â€benzoylâ€5â€phenylâ€1,2,4â€oxadiazole. Journal of Heterocyclic Chemistry, 1980, 17, 401-402.	2.6	24
16	On the Dichotomic Behavior of the Z-2,4-Dinitrophenylhydrazone of 5-Amino-3-benzoyl-1,2,4-oxadiazole with Acids in Toluene and in Dioxane/Water:  Rearrangement versus Hydrolysis. Journal of Organic Chemistry, 2004, 69, 8718-8722.	3.2	22
17	On the application of the extended Fujita–Nishioka equation to polysubstituted systems. A kinetic study of the rearrangement of several poly-substituted Z-arylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2-aryl-4-benzoylamino-5-phenyl-1,2,3-triazoles in dioxane/water. Tetrahedron. 2005. 61. 167-178.	1.9	22
18	A Generalized Synthesis of 3-Amino-5-aryl-, 3-Amino-5-polyfluorophenyl-, and 3-Amino-5-alkyl-1,2,4-oxadiazoles through Ring-degenerate Rearrangements. Heterocycles, 2002, 57, 811.	0.7	21

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19	Photochemical isomerization of aryl hydrazones of 1,2,4-oxadiazole derivatives into the corresponding triazoles. Photochemical and Photobiological Sciences, 2012, 11, 1383.	2.9	19
20	Studies on azole-to-azole interconversions. Substituent effects on the ring-degenerate equilibration between 3-aroylamino-5-methyl-1,2,4-oxadiazoles and 3-acetylamino-5-aryl-1,2,4-oxadiazoles. Tetrahedron, 1995, 51, 5133-5142.	1.9	18
21	An Analysis of 1H, 13C and 15N NMR Substituent Chemical Shifts in para- and meta-Substituted (Z)-Phenylhydrazones of 3-Benzoyl-5-phenyl-1,2,4-oxadiazole. European Journal of Organic Chemistry, 2002, 203-208.	2.4	18
22	Mononuclear rearrangement of heterocycles in ionic liquids catalyzed by copper(II) salts. Tetrahedron, 2008, 64, 11209-11217.	1.9	18
23	On the use of multi-parameter free energy relationships: the rearrangement of (Z)-arylhydrazones of 5-amino-3-benzoyl-1,2,4-oxadiazole into (2-aryl-5-phenyl-2H-1,2,3-triazol-4-yl)ureas. Tetrahedron, 2010, 66, 5442-5450.	1.9	18
24	Mononuclear heterocyclic rearrangements. Part 7. Evidence for general base catalysis in the rearrangement of the Z-phenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2,5-diphenyl-4-benzoylamino-1,2,3-triazole in dioxan–water. Journal of the Chemical Society Perkin Transactions II, 1981, , 1325-1328.	0.9	17
25	Heterocyclic rearrangements. Phenylhydrazones and <i>N</i> â€methylâ€ <i>N</i> â€phenylhydrazones of 3â€acylisoxazoles. Journal of Heterocyclic Chemistry, 1983, 20, 931-934.	2.6	17
26	Mononuclear heterocyclic rearrangements. Part 11. Kinetic study of the rearrangement of (Z)-phenylhydrazones of some 5-alkyl-3-benzoyl-1,2,4-oxadiazoles into 4-acylamino-2,5-diphenyl-1,2,3-triazoles in benzene, dioxane–water, and acetonitrile. Journal of the Chemical Society Perkin Transactions II, 1984, , 541-545.	0.9	17
27	Mononuclear heterocyclic rearrangements. Part 14. Rearrangement of some Z-arylhydrazones of 3-benzoyl-5-phenylisoxazole to 2-aryl-4-phenacyl-1,2,3-triazoles in dioxane–water. Journal of the Chemical Society Perkin Transactions II, 1987, , 537-540.	0.9	17
28	Mononuclear heterocyclic rearrangements. Part 9. A kinetic study of the rearrangement of the Z-phenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 4-benzoylamino-2,5-diphenyl-1,2,3-triazole in methanol, dioxan, ethyl acetate, and acetonitrile. Journal of the Chemical Society Perkin Transactions II, 1983, , 1199.	0.9	16
29	Mononuclear heterocyclic rearrangements. Part 10. Kinetic study of the amine-catalysed rearrangement of the Z-p-nitrophenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 4-benzoylamino-2-p-nitrophenyl-5-phenyl-1,2,3-triazole in benzene. Journal of the Chemical Society Perkin Transactions II, 1983, , 1203.	0.9	16
30	CuCl-catalyzed radical cyclisation of N- $\hat{1}$ ±-perchloroacyl-ketene-N,S-acetals: a new way to prepare disubstituted maleic anhydrides. Tetrahedron, 2012, 68, 5863-5881.	1.9	16
31	Heterocyclic Rearrangements — The Rearrangement of 3-Aroylaminoisoxazoles into 2-Aroylaminooxazoles. Heterocycles, 1991, 32, 1765.	0.7	16
32	Heterocyclic Rearrangements. Rearrangements of 1,2,4-Oxadiazoles, Isoxazoles, and 1,2,5-Oxadiazoles Involving a Carbethoxythiourea NCS Sequence. Heterocycles, 1986, 24, 3433.	0.7	16
33	Heterocyclic rearrangements: rearrangement of N-(1,2,4-oxadiazol-3-yl)- \hat{l}^2 -anamino ketones into pyrimidine N-oxides. Journal of the Chemical Society Perkin Transactions 1, 1986, , 17-19.	0.9	15
34	Heterocyclic rearrangements. Synthesis of 1,2,4â€oxadiazolo[2,3â€ <i>a</i>]pyrimidinium systems and their ring opening into pyrimidine <i>N</i> a€oxides. Journal of Heterocyclic Chemistry, 1986, 23, 1175-1177.	2.6	15
35	Acid- and Base-Catalysis in the Mononuclear Rearrangement of Some (<i>Z</i>)-Arylhydrazones of 5-Amino-3-benzoyl-1,2,4-oxadiazole in Toluene: Effect of Substituents on the Course of Reaction. Journal of Organic Chemistry, 2011, 76, 2672-2679.	3.2	15
36	Mononuclear heterocyclic rearrangements 5. Kinetic Investigation of the behaviour of (⟨i⟩e⟨/i⟩)―and (⟨i⟩z⟨/i⟩)â€phenylhydrazones of 3â€benzoylâ€5â€phenylâ€1,2,4â€oxadiazole in benzene. Isomerization and rearrangement. Journal of Heterocyclic Chemistry, 1980, 17, 861-864.	2.6	14

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37	Mononuclear heterocyclic rearrangement. Part 6. Studies on base catalysis of the rearrangement of the $(\langle i \rangle Z \langle i \rangle) \hat{a} \in \langle i \rangle P \langle i \rangle \hat{a} \in \text{nitrophenylhydrazone}$ of $3\hat{a} \in \text{benzoyla} \in \mathbb{R}$, 2,4 $\hat{a} \in \text{oxadiazole}$ in benzene: Effe piperidine, triethylamine and of some secondary amines. Journal of Heterocyclic Chemistry, 1981, 18, 723-725.	ect of 2.6	14
38	Heterocyclic rearrangements.N,N-diphenylhydrazones, oximes andO-methyloximes of 3-benzoyl-5-phenyl-1,2,4-oxadiazole. Journal of Heterocyclic Chemistry, 1985, 22, 97-99.	2.6	14
39	Mononuclear heterocyclic rearrangements. Part 13. Substituent effects on the rearrangement of some Z-arylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole to 2-aryl-4-benzoylamino-5-phenyl-1,2,5-triazoles in Benzene, dioxane, ethyl acetate, acetonitrile, and	0.9	14
40	methanol, lournal of the Chemical Society Perkin Transactions II. 1986. 1183. Mononuclear heterocyclic rearrangements. Part 16. Kinetic study of the rearrangement of some ortho-substituted Z-phenylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole into 2-aryl-4-benzoylamino-5-phenyl-1,2,3-triazoles in dioxane-water and in benzene. Tetrahedron, 1999, 55, 12885-12896.	1.9	14
41	Heterocyclic Rearrangements. A Semiempirical Study of a Degenerate Rearrangement in the 1,2,4-Oxadiazole Series. Heterocycles, 1991, 32, 1547.	0.7	14
42	Linear free energy ortho-correlations in the reactions of some 2-bromo-5-nitro-3-X-thiophenes with primary and secondary amines in benzene. Perkin Transactions II RSC, 2002, , 971-975.	1.1	13
43	The Boulton–Katritzky Reaction: A Kinetic Study of the Effect of 5â€Nitrogen Substituents on the Rearrangement of Some (<i>>Z</i>)â€Phenylhydrazones of 3â€Benzoylâ€1,2,4â€oxadiazoles. European Journal of Organic Chemistry, 2014, 2014, 7006-7014.	2.4	13
44	Mononuclear heterocyclic rearrangements. Part 12. Rearrangement of 1,2,4-oxadiazoles into indazoles. Journal of Heterocyclic Chemistry, 1979, 16, 783-784.	2.6	12
45	Heterocyclic rearrangements. Synthesis and reactivity of oximes of some 3-acylisoxazoles. A reinvestigation. Journal of the Chemical Society Perkin Transactions 1, 1983, , 483.	0.9	12
46	Copper(II)-catalyzed molecular rearrangements: the behaviour of arylhydrazones of some 3-benzoylazoles in the presence of copper(II) acetate. Journal of the Chemical Society Perkin Transactions 1, 1993, , 2491.	0.9	12
47	Mononuclear heterocyclic rearrangements. Effect of the structure of the side chain on the reactivity. Part 3. Rearrangement of some N-(5-phenyl-1,2,4-oxadiazol-3-yl)-N′-arylformamidines into 1-aryl-3-benzoylamino-1,2,4-triazoles in acetonitrile in the presence of triethylamine. Tetrahedron, 1994, 50, 7315-7326.	1.9	12
48	Steric factors in heterocyclic rearrangements. N-Methyl-N-phenylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole. Journal of the Chemical Society Perkin Transactions 1, 1982, , 165.	0.9	11
49	Mononuclear heterocyclic rearrangements. Effect of the structure of the side chain on the reactivity. Part 1. Rearrangement of some 3-arylureines of 5-pheny-1,2,4-oxadiazole into 1-aryl-3-benzoylamino-1,2,4-triazolin-5-ones in acetonitrile, benzene, and dioxane–water. Journal of the Chemical Society Perkin Transactions II. 1990 1289-1295.	0.9	11
50	Mononuclear heterocyclic rearrangements. Effect of the structure of the side chain on the reactivity. Part 2. Rearrangement of some N-(5-phenyl-1,2,4-oxadiazol-3-yl)-N′-arylformamidines into 1-aryl-3-benzoylamino-l,2,4-triazoles in dioxane–water at various pS+. Journal of the Chemical Society Perkin Transactions II, 1993, , 1339-1343.	0.9	11
51	Secondary steric effects in SNAr of thiophenes: a coordinate kinetic, thermodynamic, UV–VIS, crystallographic and ab initio study. Journal of the Chemical Society Perkin Transactions II, 1997, , 309-316.	0.9	11
52	Ru(bpy) 2 Cl 2 : a catalyst able to shift the course of the photorearrangement in the Boulton–Katritzky reaction. Tetrahedron Letters, 2015, 56, 6598-6601.	1.4	11
53	Mononuclear heterocyclic rearrangements. Part 12. Kinetic study of substituent effects on the rearrangement of the (Z)-phenylhydrazones of some 5-aryl-3-benzoyl-1,2,4-oxidiazoles into 4-aroylamino-2,5-diphenyl-1,2,3-triazoles in dioxane–water at various pS+values. Journal of the Chemical Society Perkin Transactions II. 1984. 785-789.	0.9	10
54	Linear free energy ortho-correlations in the thiophene series. Part 12. The kinetics of piperidinodebromination of some 2-bromo-3-X-4-methyl-5-nitrothiophenes in methanol. Journal of the Chemical Society Perkin Transactions II, 1985, , 519.	0.9	10

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55	Mononuclear heterocyclic rearrangements. Part 15. Kinetic study of the amine-catalysed rearrangement of some Z-arylhydrazones of 3-benzoyl-5-phenylisoxazole into 2-aryl-4-phenacyl-5-phenyl-1,2,3-triazoles in acetonitrile and in benzene. Journal of the Chemical Society Perkin Transactions II, 1988, , 1683.	0.9	10
56	Analysis of substituent effects: the reactions of some 2-L-5-nitro-3-X-thiophenes with primary and secondary amines in methanol. Perkin Transactions II RSC, 2002, , 965-970.	1.1	10
57	Studies on Azole-to-Azole Interconversion â^' An Interesting Case of Absence of a "Primary Steric Effect―in the Ring-Degenerate Equilibration betweenortho-Substituted 3-Aroylamino-5-methyl-1,2,4-oxadiazoles and 3-Acetylamino-5-aryl-1,2,4-oxadiazoles in Methanol. European Journal of Organic Chemistry, 2002, 2002, 1417-1423.	2.4	9
58	Isomerization and rearrangement of (<i>E</i>)†and (<i>Z</i>)â€phenylhydrazones of 3â€benzoylâ€5â€phenylâ€1,2,4â€oxadiazole: evidence for a †new' type of acidâ€catalysis by copper(II) salt mononuclear rearrangement of heterocycles. Journal of Physical Organic Chemistry, 2008, 21, 306-314.	s 1i.19	9
59	Kinetics of piperidino- and benzenethiolate-dehalogenation of some 4-substituted 2,3-dihalogeno-5-nitrothiophens in methanol. Journal of the Chemical Society Perkin Transactions II, 1982, , 621.	0.9	8
60	Mononuclear heterocyclic rearrangements. Part III. Rearrangement of the P-methoxyphenylhydrazone and them-nitrophenylhydrazone of 3-benzoyl-5-phenyl-1,2,4-oxadiazole in dioxane/water in the pS+range 3.8-11.5. Journal of Heterocyclic Chemistry, 1979, 16, 359-361.	2.6	7
61	A kinetic study on the base-catalysed E→Z isomerization of some arylhydrazones of 3-benzoyl-5-phenyl-1,2,4-oxadiazole: effect of the substituents in the arylhydrazone moiety. Journal of the Chemical Society Perkin Transactions II, 1990, , 215-221.	0.9	7
62	15N NMR: Substituent effect analysis inpara-andmeta-substituted phenylhydrazines. Magnetic Resonance in Chemistry, 1994, 32, 111-117.	1.9	6
63	A deep insight into the mechanism of the acidâ€catalyzed rearrangement of the <i>Z</i> àêphenylhydrazone of 5â€aminoâ€3â€benzoylâ€1,2,4â€oxadiazole in a nonâ€polar solvent. Journal of Physical Organic Chemistry, 20 24, 185-192.	li19	6
64	On the reactivity of nitrosoimidazoles with acids (the Cusmano–Ruccia reaction): a continuous source of new ring-into-ring interconversion. Tetrahedron Letters, 2014, 55, 1488-1490.	1.4	6
65	On the rearrangement of some Z -arylhydrazones of 3-benzoyl-5-phenylisoxazoles into 2-aryl-4-phenacyl-2 H -1,2,3-triazoles: a kinetic study of the substituent effects in Boulton–Katritzky reactions. Tetrahedron, 2015, 71, 7315-7322.	1.9	6
66	Mononuclear Rearrangement of theZ-Phenylhydrazones of Some 3-Acyl-1,2,4-oxadiazoles: Effect of Substituents on the Nucleophilic Character of the >Câ•N–NH–C6H5Chain and on the Charge Density of N-2 of the 1,2,4-Oxadiazole Ring (Electrophilic Counterpart). Journal of Organic Chemistry, 2019, 84, 2462-2469.	3.2	6
67	Catalysis in Aromatic Nucleophilic Substitution. Part 10. Reactions of Piperidine with 3-Methoxy-5-methyl-2-nitrothiophene in Methanol Acta Chemica Scandinavica, 1993, 47, 157-159.	0.7	6
68	Kinetic study of methoxide-promoted elimination reactions of some 1,1,1-trichloro-2,2-bis(phenyl-substituted)ethanes. Journal of Physical Organic Chemistry, 2002, 15, 108-114.	1.9	5
69	Catalysis in aromatic nucleophilic substitution. Part 7. Kinetics of the reactions of some 5-substituted 2-methoxy-3-nitrothiophenes with piperidine in benzene. Journal of the Chemical Society Perkin Transactions II, 1984, , 781.	0.9	4
70	Catalysis in aromatic nucleophilic substitution. Part 9. Kinetics of the reactions of 2-bromo-3,5-dinitrothiohene with some meta- and para-substituted anilines in benzene. Journal of the Chemical Society Perkin Transactions II, 1990, , 2153.	0.9	4
71	Nitrogen-15 NMR Studies on Hydrazines. 2— Substituent Effect Analysis inortho-Substituted Phenylhydrazines and Anilines. Magnetic Resonance in Chemistry, 1996, 34, 1019-1024.	1.9	4
72	Kinetic study of base-promoted elimination reactions of some 1,1,1-trihalo-2,2-bis(dimethoxyphenyl)ethanes in alcoholic solutions. Journal of Physical Organic Chemistry, 1998, 11, 54-58.	1.9	4

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73	Lead tetraacetate oxidation of phenylhydrazones of 3-benzoylazoles. Synthesis of azoacetates and their conversion into indazoles. Journal of Heterocyclic Chemistry, 1985, 22, 29-32.	2.6	3
74	Kinetic study of the reactions of some 2-L-3-Y-5-nitrothiophenes with primary and secondary amines in benzene. Tetrahedron, 1995, 51, 5403-5416.	1.9	3
75	NMR Study of the (Z)-Phenylhydrazones of 5-Alkyl- and 5-Aryl-3-benzoyl-1,2,4-oxadiazoles: Support for the Interpretation of Kinetic Results on the Rearrangement of 1,2,4-Oxadiazoles to 1,2,3-Triazoles. European Journal of Organic Chemistry, 2005, 2005, 3980-3986.	2.4	3
76	Apolar versus Polar Solvents: A Comparison of the Strength of Some Organic Acids against Different Bases in Toluene and in Water. Journal of Physical Chemistry A, 2010, 114, 10969-10974.	2.5	3
77	Breakthrough in the α-Perchlorination of Acyl Chlorides. Synthesis, 2012, 2012, 605-609.	2.3	3
78	Aromatic nucleophilic substitution reactions of some 2-L-3-nitro-5-X-thiophenes with piperidine and aniline in methanol. Substituent constants for the thiophene system. Journal of the Chemical Society Perkin Transactions II, 1994, , 2187.	0.9	2
79	Unexpected Substituent Effects in the Iso-Heterocyclic Boulton–Katritzky Rearrangement of 3-Aroylamino-5-methyl-1,2,4-oxadiazoles: A Mechanistic Study. Journal of Physical Chemistry A, 2019, 123, 10004-10010.	2.5	2
80	The reaction of 2-methoxy-3-nitrothiophene with N-benzylmethylamine in methanol. Collection of Czechoslovak Chemical Communications, 1990, 55, 223-229.	1.0	2
81	New examples of specific-base catalysis in mononuclear rearrangements of heterocycles found via a designed modification of the side-chain structure. Arkivoc, 2009, 2009, 125-144.	0.5	2
82	Synthesis of 3-Alkyl-4-(chloromethyl)-1-RSO2-1H-pyrrol-2(5H)-ones, Using a Sequential ATRC/[1,2]-Elimination, from 2,2-Dichloro-N-(2-chloroallyl)-N-RSO2-amides. Synthesis, 2011, 2011, 1267-1278.	2.3	0
83	4,6-Dichloro-5-Nitrobenzofuroxan: Different Polymorphisms and DFT Investigation of Its Reactivity with Nucleophiles. International Journal of Molecular Sciences, 2021, 22, 13460.	4.1	0