

Dongsoo Koh

List of Publications by Year in descending order

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papers

1,056
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430874

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501196

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all docs

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Synthesis, Crystal Structure, Hirshfeld Surface Analysis and Docking Studies of a Novel Flavoneâ€“Chalcone Hybrid Compound Demonstrating Anticancer Effects by Generating ROS through Glutathione Depletion. <i>Crystals</i> , 2022, 12, 108.	2.2	4
2	Design, synthesis, and biological activities of 3-((4,6-diphenylpyrimidin-2-ylamino)methylene)-2,3-dihydrochromen-4-ones. <i>Bioorganic Chemistry</i> , 2022, 120, 105634.	4.1	2
3	Design, synthesis, and biological evaluation of chalcones for anticancer properties targeting glycogen synthase kinase 3 beta. <i>Applied Biological Chemistry</i> , 2022, 65, .	1.9	11
4	Inhibition of EGR-1-dependent MMP1 transcription by ethanol extract of <i>Ageratum houstonianum</i> in HaCaT keratinocytes. <i>Molecular Biology Reports</i> , 2021, 48, 1-11.	2.3	3
5	Design, synthesis, and evaluation of 4-chromenone derivatives combined with N-acylhydrazone for aurora kinase A inhibitor. <i>Applied Biological Chemistry</i> , 2021, 64, .	1.9	6
6	¹ H and ¹³ C NMR spectral assignments of nineteen 5-((3,5-dimethoxyphenyl)â€“(2-methoxyphenyl)â€“(pyrazoline derivatives. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 478-488.	1.9	3
7	Crystal structure of (E)-3-(dimethylamino)-1-(thiophen-3-yl)prop-2-en-1-one, C ₉ H ₁₁ NOS. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2021, 236, 871-872.	0.3	0
8	Crystal structure of (E)-ethyl 2-((4-oxo-4H-chromen-3-yl)methyleneamino)oxy)acetate, C ₂₀ H ₂₁ F ₂ NO ₄ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2021, 236, 1135-1137.	0.3	0
9	Disrupting the DNA Binding of EGR-1 with a Small-Molecule Inhibitor Ameliorates 2,4-Dinitrochlorobenzene-Induced Skin Inflammation. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1851-1855.	0.7	10
10	The crystal structure of ethyl 2-amino-4-(3,5-difluorophenyl)-7,7-dimethyl-5-oxo-5,6,7,8-tetrahydro-4H-chromene-3-carboxylate, C ₂₀ H ₂₁ F ₂ NO ₄ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2021, 236, 307-309.	0.3	0
11	¹ H and ¹³ C NMR spectral assignment of 29 N-((3-((1,1-dimethyl-2-phenylâ€“(pyrazolâ€“(yl)acylhydrazones. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 648-662.	1.9	1
12	Chrysin Inhibits NF-Î²B-Dependent CCL5 Transcription by Targeting Î²B Kinase in the Atopic Dermatitis-Like Inflammatory Microenvironment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7348.	4.1	20
13	A Novel Synthetic Compound (E)-5-((4-oxo-4H-chromen-3-yl)methyleneamino)-1-phenyl-1H-pyrazole-4-carbonitrile Inhibits TNFÎ±-Induced MMP9 Expression via EGR-1 Downregulation in MDA-MB-231 Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5080.	4.1	4
14	Single Crystal X-Ray Structure for the Disordered Two Independent Molecules of Novel Isoflavone: Synthesis, Hirshfeld Surface Analysis, Inhibition and Docking Studies on IKKÎ² of 3-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-6,7-dimethoxy-4H-chromen-4-one. <i>Crystals</i> , 2020, 10, 911.	2.2	5
15	Synthesis, Single Crystal X-Ray Structure, Hirshfeld Surface Analysis, DFT Computations, Docking Studies on Aurora Kinases and an Anticancer Property of 3-(2,3-Dihydrobenzo[b][1,4]dioxin-6-yl)-6-methoxy-4H-chromen-4-one. <i>Crystals</i> , 2020, 10, 413.	2.2	6
16	A Synthetic Pan-Aurora Kinase Inhibitor, 5-Methoxy-2-(2-methoxynaphthalen-1-yl)-4H-chromen-4-one, Triggers Reactive Oxygen Species-Mediated Apoptosis in HCT116 Colon Cancer Cells. <i>Journal of Chemistry</i> , 2020, 2020, 1-11.	1.9	1
17	¹ H and ¹³ C NMR spectral assignments of twentyâ€“six 1-â€“(5-((2-((styryl)phenyl)pentâ€“(dienâ€“(ones. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 334-346.	1.9	1
18	Overcoming Multidrug Resistance by Activating Unfolded Protein Response of the Endoplasmic Reticulum in Cisplatin-Resistant A2780/CisR Ovarian Cancer Cells. <i>BMB Reports</i> , 2020, 53, 88-93.	2.4	12

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19	The crystal structure of 2-(2,3-dimethoxyphenyl)-3-hydroxy-4 <i>H</i> -chromen-4-one, C ₁₇ H ₁₄ O ₅ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 913-914.	0.3	0
20	Crystal structure of 6-methoxy-3-(5-(3-methoxyphenyl)-1,3,4-oxadiazol-2-yl)-4 <i>H</i> -chromen-4-one-methanol (1/1), C ₂₀ H ₁₈ N ₂ O ₆ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 1253-1255.	0.3	1
21	Anticancer activities of cyclohexenone derivatives. Applied Biological Chemistry, 2020, 63, .	1.9	12
22	Design, synthesis, and biological evaluation of polyphenols with 4,6-diphenylpyrimidin-2-amine derivatives for inhibition of Aurora kinase A. DARU, Journal of Pharmaceutical Sciences, 2019, 27, 265-281.	2.0	9
23	A synthetic chalcone derivative, 2-hydroxy-3,5,5-trimethoxychalcone (DK-139), triggers reactive oxygen species-induced apoptosis independently of p53 in A549 lung cancer cells. Chemico-Biological Interactions, 2019, 298, 72-79.	4.0	12
24	Design, synthesis, and biological activities of 1-aryl-(3-(2-styryl)phenyl)prop-2-en-1-ones. Bioorganic Chemistry, 2019, 83, 438-449.	4.1	7
25	¹ H and ¹³ C NMR characterization of 1,3,4-oxadiazole derivatives. Magnetic Resonance in Chemistry, 2018, 56, 782-791.	1.9	5
26	Inhibitory Effect of Synthetic Flavone Derivatives on Pan-Aurora Kinases: Induction of G2/M Cell-Cycle Arrest and Apoptosis in HCT116 Human Colon Cancer Cells. International Journal of Molecular Sciences, 2018, 19, 4086.	4.1	10
27	Cell growth inhibitory effects of polyphenols with naphthalene skeleton against cisplatin-resistant ovarian cancer cells. Applied Biological Chemistry, 2018, 61, 697-701.	1.9	2
28	¹ H and ¹³ C NMR spectral assignments of 25 ethyl 2-oxocyclohexanecarboxylates. Magnetic Resonance in Chemistry, 2018, 56, 1188-1200.	1.9	4
29	The synthetic chalcone derivative 2-hydroxy-3,5,5-trimethoxychalcone induces unfolded protein response-mediated apoptosis in A549 lung cancer cells. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2969-2975.	2.2	22
30	A Novel Synthetic Material, BMM, Accelerates Wound Repair by Stimulating Re-Epithelialization and Fibroblast Activation. International Journal of Molecular Sciences, 2018, 19, 1164.	4.1	15
31	Relation between structures of naphthalenylchalcone derivatives and their cytotoxic effects on HCT116 human colon cancer cells. Applied Biological Chemistry, 2018, 61, 267-272.	1.9	2
32	Clonogenic long-term survival assay of HCT 116 colorectal cancer cells after treatment with the synthesized diphenyl imidazoline derivatives. Applied Biological Chemistry, 2018, 61, 303-312.	1.9	2
33	4-(3,5-Dimethoxyphenyl)-6-(2-methoxyphenyl)pyrimidin-2-amine. IUCrData, 2018, 3, .	0.3	4
34	Synthetic Diethyl 2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylates Induce Apoptosis. Medicinal Chemistry, 2018, 14, 851-862.	1.5	4
35	¹ H and ¹³ C NMR spectral assignments for 24 novel naphthalenylphenylpyrazolines. Magnetic Resonance in Chemistry, 2017, 55, 856-863.	1.9	2
36	Synthesis and structure elucidation of polyphenols containing the <i>N</i> -methyleneformohydrazide scaffold as aurora kinase inhibitors. Magnetic Resonance in Chemistry, 2017, 55, 864-876.	1.9	8

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37	TMF and glycitin act synergistically on keratinocytes and fibroblasts to promote wound healing and anti-scarring activity. <i>Experimental and Molecular Medicine</i> , 2017, 49, e302-e302.	7.7	36
38	Synthetic polyphenol compounds inhibit β -catenin/Tcf signaling: Structure-activity relationship. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 56, 258-269.	5.8	4
39	Biological evaluation of 2-pyrazolinyl-1-carbothioamide derivatives against HCT116 human colorectal cancer cell lines and elucidation of QSAR and molecular binding modes. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5423-5432.	3.0	23
40	A Benzochalcone Derivative, (E)-1-(2-hydroxy-6-methoxyphenyl)-3-(naphthalen-2-yl)prop-2-en-1-one (DK-512), Inhibits Tumor Invasion through Inhibition of the TNF-Induced NF- κ B/MMP-9 Axis in MDA-MB-231 Breast Cancer Cells. <i>Journal of Chemistry</i> , 2016, 2016, 1-8.	1.9	0
41	¹ H and ¹³ C NMR spectral assignments of naphthalenyl chalcone derivatives. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 842-851.	1.9	7
42	¹ H and ¹³ C NMR spectral assignments of 19 novel polymethoxylated diphenylnaphthylpyrazolinylcarbothioamides. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 246-251.	1.9	7
43	¹ H and ¹³ C NMR spectral assignments of novel flavonoids bearing benzothiazepine. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 382-390.	1.9	11
44	¹ H and ¹³ C NMR spectral assignments of 30 novel <i>n</i> -methoxylated polyphenols containing thiourea skeletons. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 403-413.	1.9	1
45	Anticancer and structure-activity relationship evaluation of 3-(naphthalen-2-yl)-N,5-diphenyl-pyrazoline-1-carbothioamide analogs of chalcone. <i>Bioorganic Chemistry</i> , 2016, 68, 166-176.	4.1	31
46	Colorectal anticancer activities of polymethoxylated 3-naphthyl-5-phenylpyrazoline-carbothioamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4301-4309.	2.2	15
47	p53-dependent and -independent mechanisms are involved in (E)-1-(2-hydroxyphenyl)-3-(2-methoxynaphthalen-1-yl)prop-2-en-1-one (HMP)-induced apoptosis in HCT116 colon cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 913-919.	2.1	10
48	The chalcone derivative HymnPro generates reactive oxygen species through depletion of intracellular glutathione. <i>Applied Biological Chemistry</i> , 2016, 59, 391-396.	1.9	4
49	¹ H and ¹³ C NMR spectral assignments of novel naphthalenylphenylpyrazolines. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 252-259.	1.9	3
50	A methoxyflavanone derivative, 2,3,4-trimethoxy-5,6-naphthoflavanone, inhibits proliferation of HCT116 human colon cancer cells by inducing G2/M cell cycle arrest and apoptosis. <i>Applied Biological Chemistry</i> , 2016, 59, 249-253.	1.9	1
51	A synthetic chalcone, 2'-hydroxy-2,3,5'-trimethoxychalcone triggers unfolded protein response-mediated apoptosis in breast cancer cells. <i>Cancer Letters</i> , 2016, 372, 1-9.	7.2	40
52	A synthetic chalcone derivative, 2-hydroxy-3,5,5'-trimethoxychalcone (DK-139), suppresses the TNF α -induced invasive capability of MDA-MB-231 human breast cancer cells by inhibiting NF- κ B-mediated GRO α expression. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 203-208.	2.2	17
53	(E)-3-(2,3-Dimethoxyphenyl)-1-(2-hydroxy-5-methoxyphenyl)prop-2-en-1-one. <i>IUCrData</i> , 2016, 1, .	0.3	1
54	Novel naphthochalcone derivative accelerate dermal wound healing through induction of epithelial-mesenchymal transition of keratinocyte. <i>Journal of Biomedical Science</i> , 2015, 22, 47.	7.0	9

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55	¹ H and ¹³ C NMR spectral assignments of 18 novel polymethoxylated hydroxynaphthopyrazolylchalconoids. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 391-397.	1.9	4
56	¹ H and ¹³ C NMR spectral assignments of 18 novel polymethoxylated naphthochalcones bearing pyrazoline-1-carbothioamide groups. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 383-390.	1.9	13
57	A novel synthetic chalcone derivative promotes caspase-dependent apoptosis through ROS generation and activation of the UPR in MH7A cells. <i>Genes and Genomics</i> , 2015, 37, 1051-1059.	1.4	4
58	Quantitative Relationships Between the Cytotoxicity of Flavonoids on the Human Breast Cancer Stem-Like Cells MCF7 and Their Structural Properties. <i>Chemical Biology and Drug Design</i> , 2015, 86, 496-508.	3.2	20
59	2-Hydroxy-3,4-naphthochalcone (2H-NC) inhibits TNF α -induced tumor invasion through the downregulation of NF- κ B-mediated MMP-9 gene expression. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 128-132.	2.2	15
60	Crystal structure of (<i>E</i>)-4,6-dimethoxy-2-(4-methoxystyryl)-3-methylbenzaldehyde. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o771-o771.	0.5	1
61	Crystal structure of 2-(2,3-dimethoxynaphthalen-1-yl)-3-hydroxy-6-methoxy-4 <i>H</i> -chromen-4-one. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o842-o843.	0.5	5
62	Crystal structure of 3,5-dimethoxy-2-[5-(naphthalen-1-yl)-4,5-dihydro-1H-pyrazol-3-yl]phenol. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o708-o709.	0.5	0
63	Crystal structure of 3-methoxy-2-[5-(naphthalen-1-yl)-4,5-dihydro-1H-pyrazol-3-yl]phenol. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o828-o829.	0.5	0
64	Conversion of flavonoids and their conformation by NMR and DFT. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 561-564.	0.9	3
65	Investigation of 2-hydroxy-4-methoxy-2 α ,3 α -benzochalcone binding to tubulin by using NMR and in silico docking. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 693-698.	0.9	4
66	Crystal structure of 1-(8-methoxy-2H-chromen-3-yl)ethanone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o936-o937.	0.2	0
67	3-Methoxy-2-[5-(naphthalen-2-yl)-4,5-dihydro-1H-pyrazol-3-yl]phenol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o464-o464.	0.2	1
68	Crystal structure of 2-(3,4-dimethoxyphenyl)-3-hydroxy-4H-chromen-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o999-o1000.	0.2	6
69	Crystal structure of (<i>E</i>)-3-(2,4-dimethoxyphenyl)-1-(1-hydroxynaphthalen-2-yl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1034-o1035.	0.2	1
70	Polyphenols bearing cinnamaldehyde scaffold showing cell growth inhibitory effects on the cisplatin-resistant A2780/Cis ovarian cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1809-1820.	3.0	47
71	A novel hydroxymethoxynaphthochalcone induces apoptosis through the p53-dependent caspase-mediated pathway in HCT116 human colon cancer cells. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 413-418.	0.9	4
72	A new synthetic 2 α -hydroxy-2,4,6-trimethoxy-5 α ,6 α -naphthochalcone induces G2/M cell cycle arrest and apoptosis by disrupting the microtubular network of human colon cancer cells. <i>Cancer Letters</i> , 2014, 354, 348-354.	7.2	30

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73	Targeting Cancer Cells via the Reactive Oxygen Species-Mediated Unfolded Protein Response with a Novel Synthetic Polyphenol Conjugate. <i>Clinical Cancer Research</i> , 2014, 20, 4302-4313.	7.0	54
74	Synthesis and biological evaluation of a novel pyrazolecarbothioamide derivative (DK115) inducing cell cycle arrest at the G1 phase in HCT116 human colon cancer cells. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2013, 56, 343-347.	0.9	5
75	Novel Antimitotic Activity of 2-Hydroxy-4-methoxy-2,3-benzochalcone (HymnPro) through the Inhibition of Tubulin Polymerization. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 12588-12597.	5.2	41
76	¹ H and ¹³ C NMR spectral assignments of 2-hydroxychalcones. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 364-370.	1.9	30
77	Chromenylchalcones with inhibitory effects on monoamine oxidase B. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7890-7897.	3.0	23
78	Benzochalcones bearing pyrazoline moieties show anti-colorectal cancer activities and selective inhibitory effects on aurora kinases. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7018-7024.	3.0	48
79	¹ H and ¹³ C NMR spectral assignments of chalcones bearing pyrazoline-carbothioamide groups. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 500-508.	1.9	9
80	Complete assignments of ¹ H and ¹³ C NMR data for 21 naphthalenyl-phenyl-pyrazoline derivatives. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 593-599.	1.9	9
81	Chromenylchalcones showing cytotoxicity on human colon cancer cell lines and in silico docking with aurora kinases. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4250-4258.	3.0	38
82	Structural Properties of Polyphenols Causing Cell Cycle Arrest at G1 Phase in HCT116 Human Colorectal Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2013, 14, 16970-16985.	4.1	30
83	(E)-3-(3,5-Dimethoxyphenyl)-1-(2-methoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o514-o514.	0.2	4
84	(E)-1-(3,5-Dimethoxyphenyl)-3-(3-methoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o666-o666.	0.2	4
85	(E)-1-(1-Hydroxynaphthalen-2-yl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o542-o542.	0.2	0
86	(E)-1-(2-Hydroxy-6-methoxyphenyl)-3-(2,4,6-trimethoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1809-o1809.	0.2	0
87	8-Methoxy-2H-chromene-3-carbaldehyde. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3419-o3419.	0.2	1
88	(E)-3-(3,5-Dimethoxyphenyl)-1-(1-hydroxynaphthalen-2-yl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3403-o3403.	0.2	5
89	Structure-activity relationships of polyphenols inhibiting lipopolysaccharide-induced NF- κ B activation. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2012, 55, 669-675.	0.9	7
90	¹ H and ¹³ C NMR spectral assignments of novel chromenylchalcones. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 759-764.	1.9	15

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91	Synthesis of methoxybenzoflavones and assignments of their NMR data. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 62-67.	1.9	27
92	Relationship between the structures of flavonoids and their NF- κ B-dependent transcriptional activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6036-6041.	2.2	49
93	Synthesis and complete assignment of NMR data of 20 chalcones. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, 41-45.	1.9	43
94	Complete NMR data of methoxylated <i>cis</i> - and <i>trans</i> -stilbenes as well as 1,2-diphenylethanes. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, 374-377.	1.9	10
95	Stereochemical Elucidation of Norbornene Derivatives Synthesized as Leukotriene D4 Receptor Antagonists. <i>Spectroscopy Letters</i> , 2003, 36, 407-418.	1.0	1
96	Complete assignment of the ^1H and ^{13}C NMR spectra of resveratrol derivatives. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 768-770.	1.9	16