

Hepatoprotective Effect of *Millettia dielsiana*: In Vitro and In Silico Study

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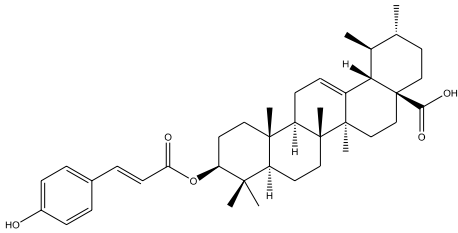
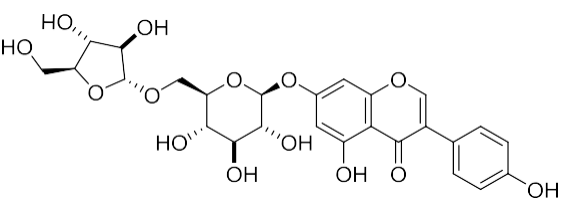
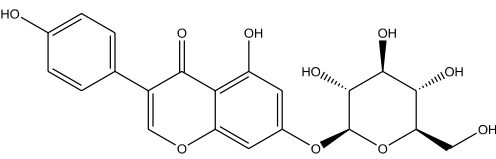
² Thai Nguyen University of Sciences, Thai Nguyen University (TNU), Tan Thinh, Thai Nguyen 24119, Vietnam;

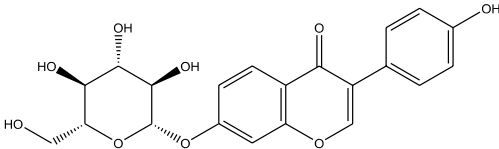
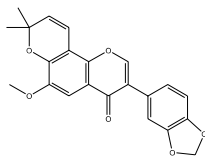
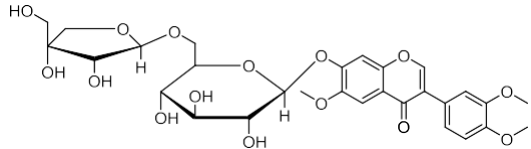
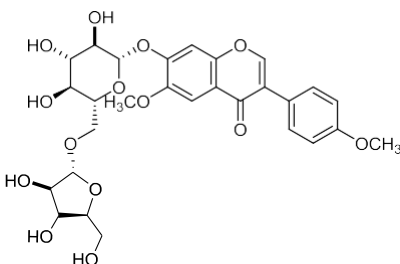
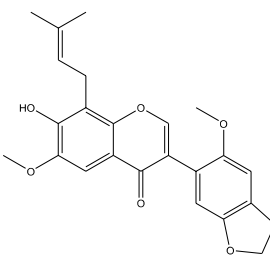
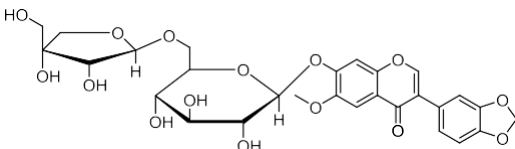
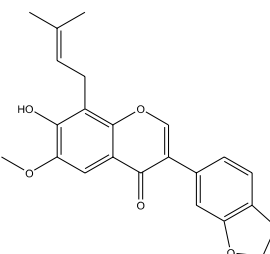
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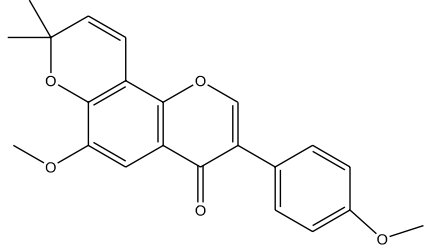
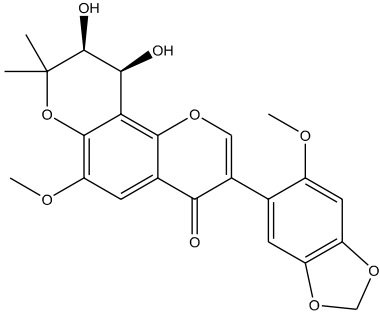
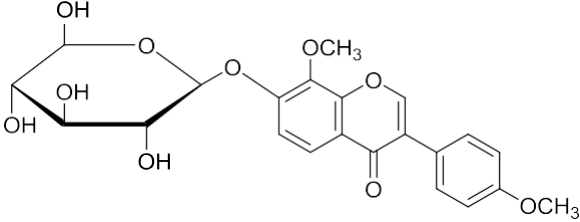
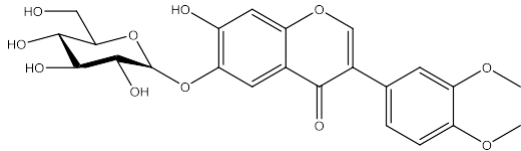
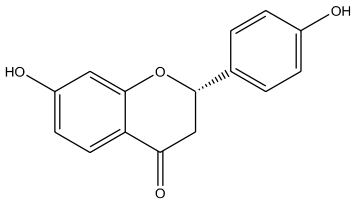
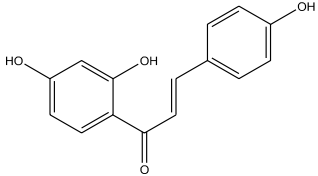
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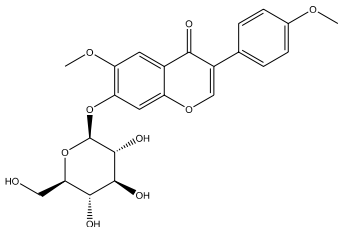
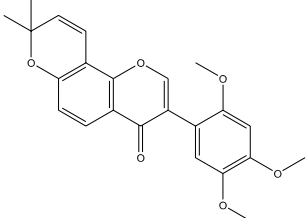
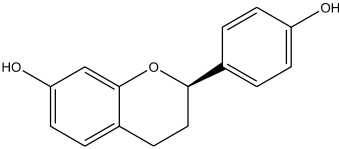
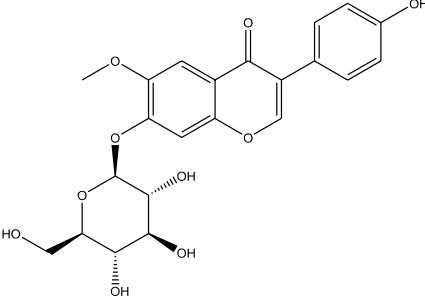
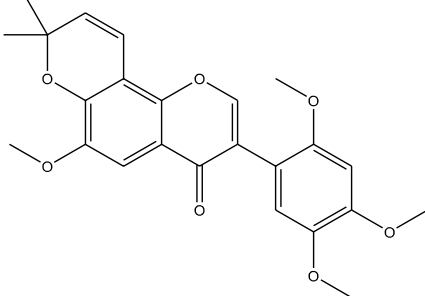
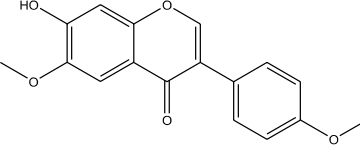
Table S1: *In silico* Docking of 50 isolated compounds from *Millettia dielsiana* against PI3K/mTOR

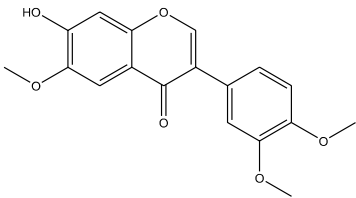
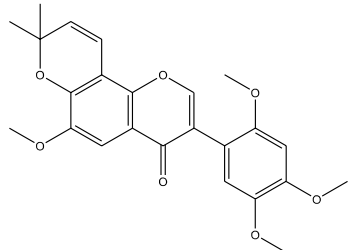
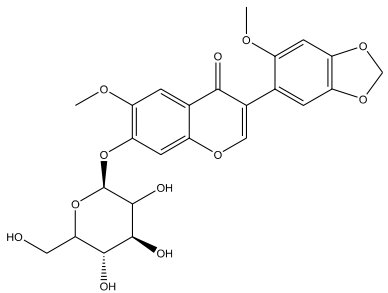
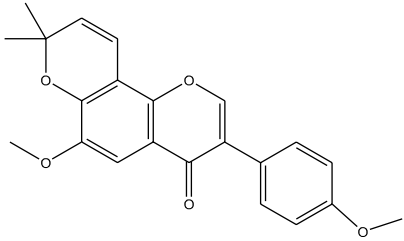
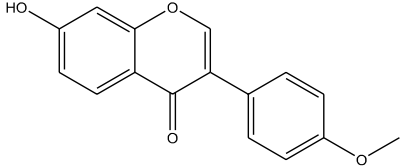
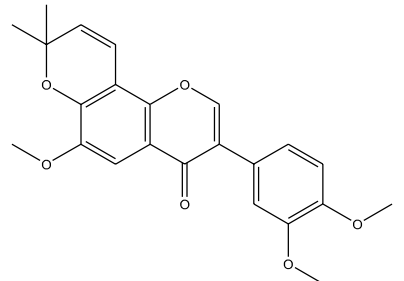
No.	Symbol	Name of compounds	ΔG (kcal/mol)	Structural Formula
1	D15 (1)	<i>Trans</i> -3- <i>O</i> - <i>p</i> -hydroxycinnamoyl ursolic acid	-9.237	
2	D50 (2)	5,7,4'-trihydroxyisoflavone 7- <i>O</i> - β -D-apiofuranosyl-(1 \rightarrow 6)- β -D-glucopyranoside	-9.083	
3	D49	Genistin	-8.914	

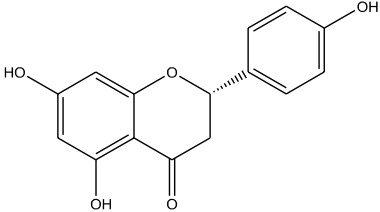
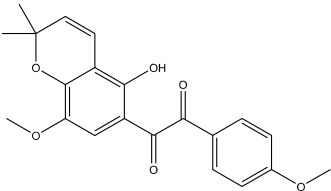
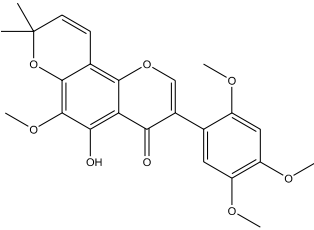
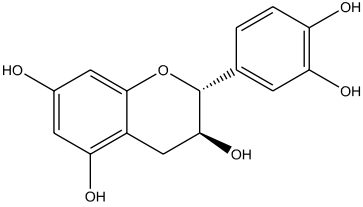
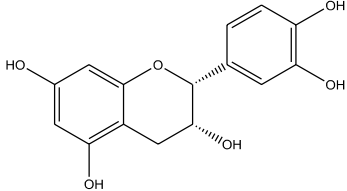
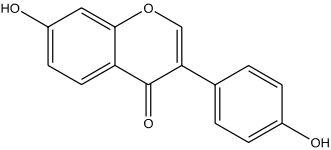
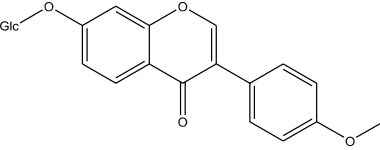
4	D40	Daidzin	-8.754	
5	D20	Durmillone	-8.445	
6	D38	Millesianin F	-8.372	
7	D42	7-hydroxy-4',6-dimethoxyisoflavone-7-O-β-D-apiofuranosyl-(1→6)-β-D-glucopyranoside	-8.307	
8	D31	Millesianin D	-8.213	
9	D39	Millesianin G	-8.209	
10	D23	Hydroxy-6-methoxy-3-4-methylenedioxy-8-3-3-dimethylallyl-isoflavone	-8.138	

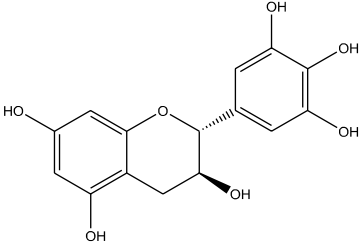
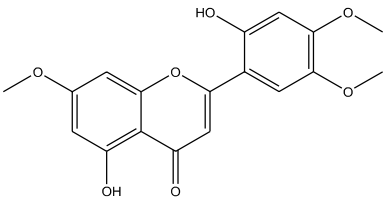
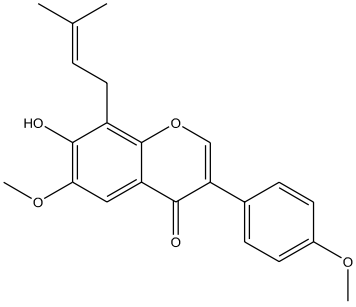
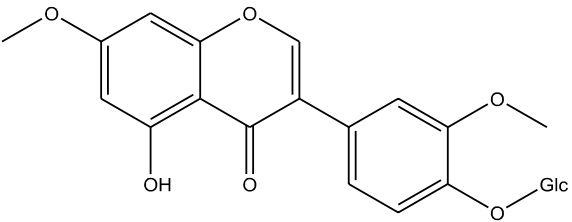
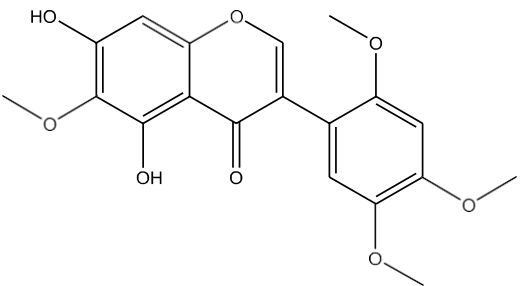
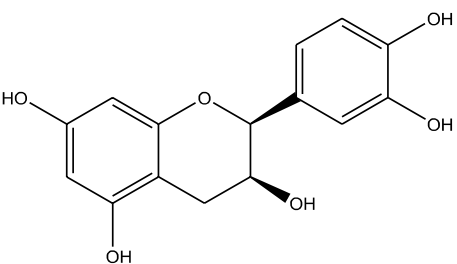
11	D45	7-hydroxy-4',8-dimethoxyisoflavone 7- <i>O</i> - β -D-apiofuranosyl- (1 \rightarrow 6)- β -D-glucopyranoside	-8.127	
12	D28	Millesianin A	-8.074	
13	D19	Ichthynone	-8.067	
14	D25	Millesianin D	-8.046	
15	D47	Odoratin-7- <i>O</i> - β -D-glucopyranoside	-7.981	

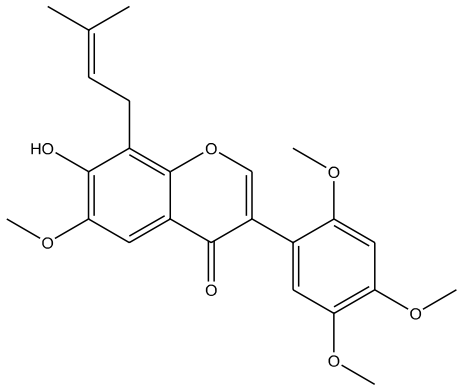
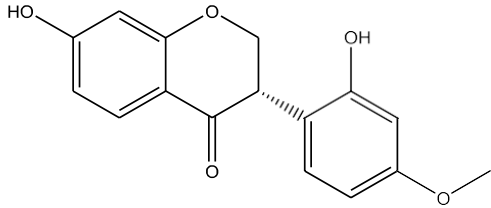
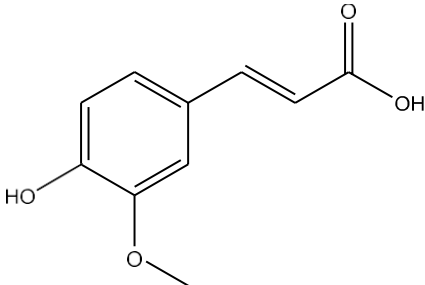
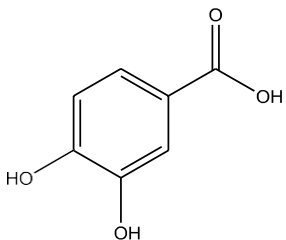
16	D22	Calopogonium A isoflavone	-7.969	
17	D32	Millesianin E	-7.968	
18	D44	7-hydroxy-4',8-dimethoxyisoflavone-7-O- β -D-glucopyranoside	-7.929	
19	D41	Claclrastin-7-O- β -D-glucopyranoside	-7.927	
20	D5	Liquiritigenin	-7.825	
21	D4	Isoliquiritigenin	-7.822	

22	D43	Wistin	-7.803	
23	D18	Barbigerone	-7.721	
24	D10	Tupichinol C	-7.67	
25	D46	Glycitin	-7.652	
26	D30	Millesianin C	-7.631	
27	D33	Afromosin	-7.627	

28	D35	Cladrastin	-7.623	
29	D16	Millesianin C	-7.618	
30	D48	Dalpatin	-7.582	
31	D21	Methoxycalpogonium isoflavone A	-7.557	
32	D2	Formononetin	-7.512	
33	D17	Durallone	-7.482	

34	D6	Naringenin	-7.478	
35	D27	Dielsianone	-7.475	
36	D29	Millesianin B	-7.347	
37	D8	Catechin	-7.316	
38	D11	(+)-Epicatechin	-7.241	
39	D36	Daidzein	-7.214	
40	D3	Ononin	-7.192	

41	D7	Gallocatechin	-7.069	
42	D37	Hernancorizin	-6.995	
43	D24	Millesianin H	-6.826	
44	D1	Mildiside A	-6.808	
45	D34	Caviunin	-6.741	
46	D12	(-)-Epicatechin	-6.736	

47	D26	Millesianin I	-6.718	
48	D9	(3 <i>S</i>)-Vestitol	-6.467	
49	D14	<i>Trans</i> -Ferulic acid	-6.193	
50	D13	Protocatechuic acid	-5.046	
51	Ref.	PI3Kalpha/mTOR-IN-1	-9.12	