

Product Information

Cytochrome P450 inhibitor, Apigenin, Purity ≥98%

Cat. No.: X24-08-YM354

Size: 50 mg; 100 mg; 200 mg; 500 mg

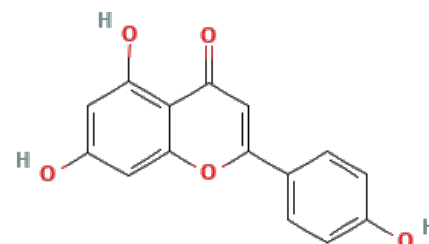
MDL: MFCD00006831

CAS Number: 520-36-5

Compound CID: 5280443

Synonym: 520-36-5; Versulin; Apigenol; Chamomile; 4',5,7-Trihydroxyflavone; Spigenin; Apigenine; 5,7-Dihydroxy-2-(4-hydroxyphenyl)chromen-4-one

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Apigenin, soluble in DMSO and insoluble in water and ethanol, is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450. It targets the CYP2C9.
Molecular Weight	270.2
Molecular Formula	C ₁₅ H ₁₀ O ₅
Targets	CYP2C9: 2 μM (Ki)
IUPAC Name	5,7-Dihydroxy-2-(4-hydroxyphenyl)chromen-4-one
InChI	InChI=1S/C15H10O5/c16-9-3-1-8(2-4-9)13-7-12(19)15-11(18)5-10(17)6-14(15)20-13/h1-7,16-18H
InChI Key	FXNFHKRTJBSTCS-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)C2=CC(=O)C3=C(O2)C=C(C(=C3O)O)O
Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Solubility	<i>In vitro</i> : DMSO: 46 mg/mL (170.22 mM); Water: insoluble; Ethanol: insoluble
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Apigenin is a metabolism inhibitor that plays a key role in research to explore its impact on various cellular processes and diseases.
Storage	Store at -20°C, and keep desiccated.



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