



Product Information

PDE inhibitor, Hesperetin, Purity $\geq 98\%$

Cat. No.: X24-08-YM479

Size: 5 mg; 10 mg; 50 mg; 100 mg

MDL: MFCD00075646

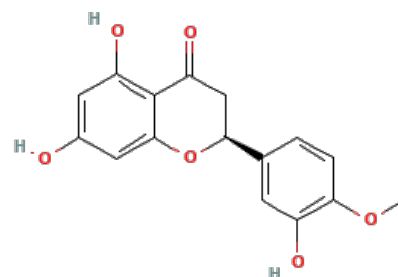
CAS Number: 520-33-2

Compound CID: 72281

Synonym: 520-33-2; Hesperitin;

(2S)-5,7-Dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-2,3-dihydrochromen-4-one

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



Product Information

Description	Hesperetin, 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 PDE.
Molecular Weight	302.3
Molecular Formula	C ₁₆ H ₁₄ O ₆
IUPAC Name	(2S)-5,7-Dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-2,3-dihydrochromen-4-one
InChI	InChI=1S/C16H14O6/c1-21-13-3-2-8(4-10(13)18)14-7-12(20)16-11(19)5-9(17)6-15(16)22-14/h2-6,14,17-19H,7H2,1H3/t14-/m0/s1
InChI Key	IQPNAANSBPBGFQ-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=C(C=C1C2=CC(=O)C3=C(C=C(C=C3O2)O)O)O)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Solubility	<i>In vitro</i> : DMSO: 58 mg/mL (191.87 mM); Water: insoluble; Ethanol: insoluble
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Hesperetin is a metabolism inhibitor that can be used for its possible benefits in preventing cardiovascular diseases, reducing inflammation, and protecting against cancer.
Storage	Store at -20°C, and keep desiccated.