

Product Information

Cytochrome P450 inhibitor, Naringenin, Purity $\geq 98\%$

Cat. No.: X24-08-YM378

Size: 25 mg; 100 mg; 250 mg; 500 mg

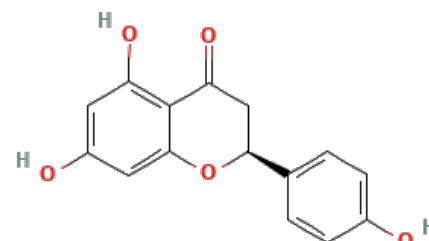
CAS Number: 480-41-1

Compound CID: 439246

Synonym: 480-41-1; (S)-Naringenin; salipurpol; Naringenine; Salipurol;

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

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



Product Information

Description	Naringenin, soluble in DMSO and ethanol and insoluble in water, is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450.
Molecular Weight	272.3
Molecular Formula	C ₁₅ H ₁₂ O ₅
IUPAC Name	(2S)-5,7-Dihydroxy-2-(4-hydroxyphenyl)-2,3-dihydrochromen-4-one
InChI	InChI=1S/C15H12O5/c16-9-3-1-8(2-4-9)13-7-12(19)15-11(18)5-10(17)6-14(15)20-13/h1-6,13,16-18 H,7H2/t13-/m0/s1
InChI Key	RAGOYPUPXAKGKH-XAKZXMRKSA-N
Canonical SMILES	CCC(C(C)O)N1C(=O)N(C=N1)C2=CC=C(C=C2)N3CCN(CC3)C4=CC=C(C=C4)OCC5CC(OC5)(CN6C=NC=N6)C7=C(C=C(C=C7)F)F
Isomeric SMILES	CC[C@@H]([C@H](C)O)N1C(=O)N(C=N1)C2=CC=C(C=C2)N3CCN(CC3)C4=CC=C(C=C4)OC[C@H]5C[C@](OC5)(CN6C=NC=N6)C7=C(C=C(C=C7)F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Solubility	<i>In vitro</i> : DMSO: 46 mg/mL (168.96 mM); Water: insoluble; Ethanol: 4 mg/mL (14.69 mM)
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Naringenin is a metabolism inhibitor that can be used for its potential antioxidant, anti-inflammatory, and anticancer properties.



Storage

Store at -20°C, and keep desiccated.
