

Product Name: Isoginkgetin

Catalog No.: 6483

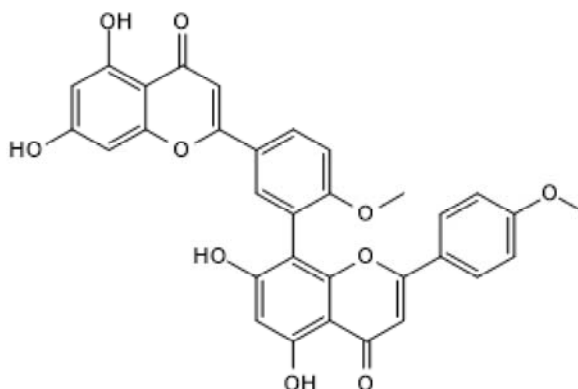
Batch No.: 2

CAS Number: 548-19-6

IUPAC Name: 8-[5-(5,7-Dihydroxy-4-oxo-4*H*-1-benzopyran-2-yl)-2-methoxyphenyl]-5,7-dihydroxy-2-(4-methoxyphenyl)-4*H*-1-benzopyran-4-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₂H₂₂O₁₀·½H₂O
Batch Molecular Weight: 575.52
Physical Appearance: Yellow solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.0% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.78	4.03	
Found	66.62	3.99	

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Isoginkgetin is a pre-mRNA splicing inhibitor (IC₅₀ ~ 30 μM); inhibits major and minor spliceosomes. Suppresses transcriptional elongation. Blocks spliceosome-mediated splicing process at the pre-spliceosome/A complex stage. Does not inhibit CDK9. Inhibits tumor cell invasion. Active in vivo. Cell permeable

Physical and Chemical Properties:

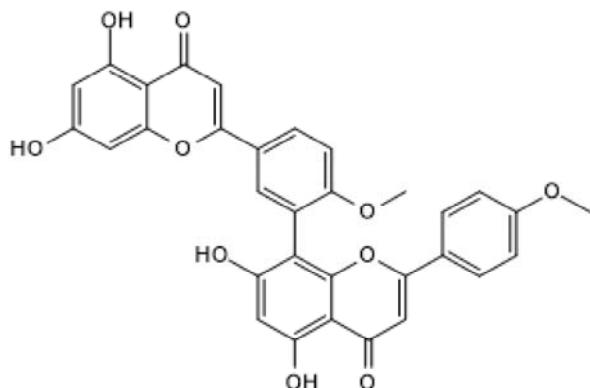
Batch Molecular Formula: C₃₂H₂₂O₁₀·½H₂O

Batch Molecular Weight: 575.52

Physical Appearance: Yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C. This product is packaged under an inert atmosphere.

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Boswell et al (2017) Total RNA-seq to identify pharmacological effects on specific stages of mRNA synthesis. *Nat.Chem.Biol.* **13** 501. PMID: 28263964.

Szewczak et al (2017) The right tool for the job. *Cell* **169** 561. PMID: 28475886.

O'Brien et al (2008) The biflavonoid isoginkgetin is a general inhibitor of Pre-mRNA splicing. *J.Biol.Chem.* **283** 33147. PMID: 18826947.

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