

Apigenin, Protein kinase inhibitor

Catalog	Unit
TBI1242-10MG	10 mg
TBI1242-50MG	50 mg

Product Details

Formal Name: 5,7-Dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one

Alternate Names: 4',5,7-Trihydroxyflavone

Molecular Formula: C₁₅H₁₀O₅

Formula Weight: 270.24

CAS Number: 520-36-5

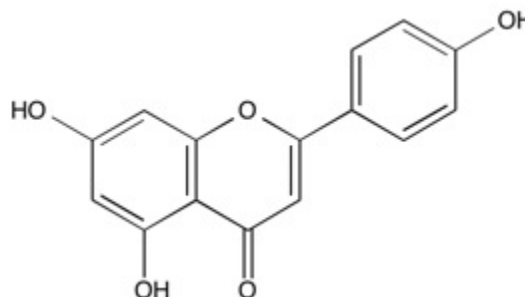
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

Protein kinase inhibitor

Functions

Apigenin is a plant flavonoid with antioxidant properties. It has been reported to have myriad effects on biochemical pathways including kinase inhibition (CK2, PKC, ERK), CYP2CP inhibition, inhibition of cellular proliferation via G2/M cell cycle arrest, reduction of HIF-1 and VEGF expression, and inhibition of nitric oxide and PGE2 synthesis.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.