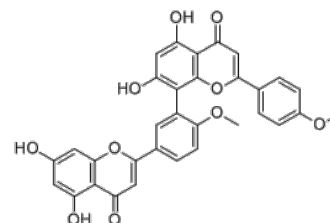


Product Name : Isoginkgetin
Cat. No. : PC-62507
CAS No. : 548-19-6
Molecular Formula : C₃₂H₂₂O₁₀
Molecular Weight : 566.518
Target : Spliceosome
Solubility : 10 mM in DMSO



Biological Activity

Isoginkgetin (Iso-ginkgetin, IsoG) is a chemical inhibitor of **Pre-mRNA splicing**, does not target the SF3b subunit of the U2 snRNP, inhibits splicing both in vivo and in vitro at micromolar concentrations.

Isoginkgetin appears to do so by preventing stable recruitment of the U4/U5/U6 tri-small nuclear ribonucleoprotein, resulting in accumulation of the prespliceosomal A complex.

Isoginkgetin inhibits cell proliferation in a reversible fashion, inhibits promoter-proximal transcription elongation.

References

Boswell SA, et al. Nat Chem Biol. 2017 May;13(5):501-507.

O'Brien K, et al. J Biol Chem. 2008 Nov 28;283(48):33147-54.

Yoon SO, et al. Mol Cancer Ther. 2006 Nov;5(11):2666-75.

Liu G, et al. J Endocrinol. 2007 Sep;194(3):569-78.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com