

Product Data Sheet

Product Name: Kuwanon H

Cat. No.: GC38510

Chemical Properties

Cas. No. 76472-87-2

SMILES OC1=CC(O)=C(C(C(C/C=C(C)/C)=C(C2=C(C=C(O)C=C2)O)O3)=O)C3=C1[C@@H]4[C@H]([C@H](C5=C(C=C(O)C=C5)O)CC(C)=C4)C(C6=C(C(C/C=C(C)/C)=C(O)C=C6)O)=O

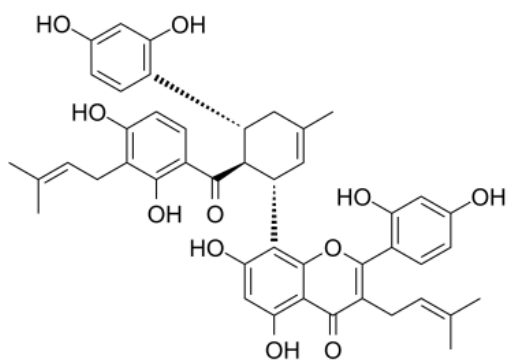
Formula C₄₅H₄₄O₁₁ M.Wt 760.82

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Kuwanon H is a flavonoid isolated from *Morus bombycis*, which acts as a potent non-peptide bombesin receptor antagonist. Kuwanon H selectively inhibits binding of gastrin releasing peptide CRP to GRP-preferring receptor, with a *K_i* value of 290 nM in cells[1].

[1]. Mihara S, et al. Non-peptide bombesin receptor antagonists, kuwanon G and H, isolated from

Caution: Product has not been fully validated for medical applications. For research use only.

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mulberry. Biochem Biophys Res Commun. 1995 Aug 15;213(2):594-9.

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