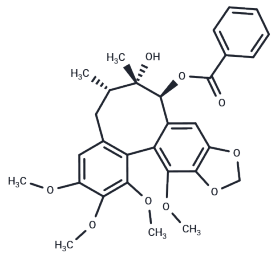
Data Sheet (Cat.No.TQ0217)

TargetMol

Gomisin G

Chemical Properties



CAS No. : 62956-48-3

Formula: C30H32O9

Molecular Weight: 536.57

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Gomisin G is a natural compound and exhibits potent anti-HIV activity (EC50: 0.006 μg/mL; therapeutic index: 300). It is a good substrate of CYP2C9.
Targets(IC50)	HIV Protease,Cytochromes P450

Solubility Information

Solubility	DMSO: 45 mg/mL (83.87 mM),Sonication is recommended. H2O: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.73 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8637 mL	9.3184 mL	18.6369 mL
5 mM	0.3727 mL	1.8637 mL	3.7274 mL
10 mM	0.1864 mL	0.9318 mL	1.8637 mL
50 mM	0.0373 mL	0.1864 mL	0.3727 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chen DF, et al. Anti-AIDS agents--XXVI. Structure-activity correlations of gomisin-G-related anti-HIV lignans from Kadsura interior and of related synthetic analogues. Bioorg Med Chem. 1997 Aug;5(8):1715-23.
Guo-Jun HE, et al. In silico application in the prediction of herb-drug interaction for cerebrovascular diseases herbs. Lat. Am. J. Pharm., 2016,35 (1): 192-4.

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