

Gomisin G

Chemical Properties

CAS No.:	62956-48-3
Formula:	C30H31O9
Molecular Weight:	536.57
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

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.
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Solubility Information

Solubility	DMSO: 45 mg/mL (83.86 mM) Water: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.864 mL	9.318 mL	18.637 mL
5 mM	0.373 mL	1.864 mL	3.727 mL
10 mM	0.186 mL	0.932 mL	1.864 mL
50 mM	0.037 mL	0.186 mL	0.373 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. 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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