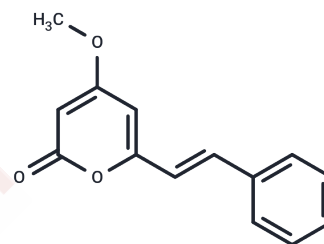


Desmethoxyyangonin

Chemical Properties

CAS No. :	15345-89-8
Formula:	C ₁₄ H ₁₂ O ₃
Molecular Weight:	228.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Desmethoxyyangonin (5,6-Dehydrokavain) protects LPS or LPS/D-GalN-induced damages in cell or liver tissues mainly through de-regulating IKK/NFκB and Jak2/STAT3 signaling pathways. 2. The induction of CYP3A23 by dihydromethysticin and Desmethoxy yangonin involves transcription activation, probably through a PXR-independent or PXR-involved indirect mechanism.
Targets(IC50)	Monoamine Oxidase

Solubility Information

Solubility	DMSO: 45 mg/mL (197.16 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3814 mL	21.9068 mL	43.8135 mL
5 mM	0.8763 mL	4.3814 mL	8.7627 mL
10 mM	0.4381 mL	2.1907 mL	4.3814 mL
50 mM	0.0876 mL	0.4381 mL	0.8763 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.

Reference

Ma Y , Sachdeva K , Liu J , et al. Desmethoxyyangonin and dihydromethysticin are two major pharmacological kavalactones with marked activity on the induction of CYP3A23[J]. Drug Metabolism & Disposition the Biological Fate of Chemicals, 2004, 32(11):1317.

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