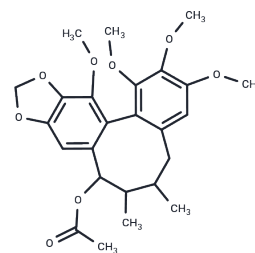


Kadsurin

Chemical Properties

CAS No. :	51670-40-7
Formula:	C ₂₅ H ₃₀ O ₈
Molecular Weight:	458.5
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Kadsurin has anti-oxidant activity, it induces enzymes capable of scavenging oxygen radical species in the liver. Kadsurin may be valuable antitumor promoters or chemopreventors.
Targets(IC50)	Antioxidant
In vitro	Two new lignans, interiotherins C (1) and D (2), together with the known compounds interiorin (3), heteroclitin F (4), neokadsuranin (5), heteroclitin D (6), Kadsurin (7), gomisin A (8), schisandrin C (9), interiotherin A (10), angeloylgomisin R (11), gomisin G (12), interiotherin B (13), and gomisin C (14), were isolated from the stems of Kadsura interior. The structures and stereochemistries of the new compounds were determined from mass, CD, and NMR spectral data. Fourteen neolignans were screened as potential antitumor promoters by examining their ability to inhibit Epstein-Barr virus early antigen (EBV-EA) activation (induced by 12-O-tetradecanoylphorbol-13-acetate) in Raji cells. Neokadsuranin (5) and schisandrin C (9) were the most potent compounds.

Solubility Information

Solubility	DMSO: 11 mg/mL (23.99 mM), (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.181 mL	10.9051 mL	21.8103 mL
5 mM	0.4362 mL	2.181 mL	4.3621 mL
10 mM	0.2181 mL	1.0905 mL	2.181 mL
50 mM	0.0436 mL	0.2181 mL	0.4362 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

Interiotherins C and D, two new lignans from Kadsura interior and antitumor-promoting effects of related neolignans on Epstein-Barr virus activation. J Nat Prod. 2002 Sep;65(9):1242-5.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481