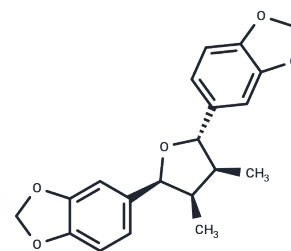


d-Epigalbacin

Chemical Properties

CAS No. :	84709-25-1
Formula:	C ₂₀ H ₂₀ O ₅
Molecular Weight:	340.37
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	d-Epigalbacin ((-)-Zuonin A) is a naturally occurring lignin. d-Epigalbacin is a potent, selective JNKs inhibitor, with IC ₅₀ s of 1.7 μM, 2.9 μM and 1.74 μM for JNK1, JNK2 and JNK3, respectively.
Targets(IC ₅₀)	JNK
In vitro	(-)-zuonin A binds the D-recruitment site of JNK, inhibiting its activation and phosphorylation by MKK4 and MKK7[1].'

Solubility Information

Solubility	DMSO: 90 mg/mL (264.42 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	2.938 mL	14.6899 mL	29.3798 mL
5 mM	0.5876 mL	2.938 mL	5.876 mL
10 mM	0.2938 mL	1.469 mL	2.938 mL
50 mM	0.0588 mL	0.2938 mL	0.5876 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

Tamer S. Kaoud, et al. Manipulating JNK Signaling with (-)-zuonin A. ACS Chem Biol. 2012 Nov 16; 7(11): 1873-1883.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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