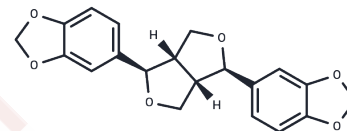


(-)-Sesamin

Chemical Properties

CAS No. :	13079-95-3
Formula:	C ₂₀ H ₁₈ O ₆
Molecular Weight:	354.35
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	(-)-Sesamin is a natural product with neuroprotective effects. It protects against 6-OHDA-induced neurotoxicity by activating ERK1/2-BadSer112 and inhibiting ERK-p38MAPK-JNK1/2-caspase-3 pathways, making it useful for Parkinson's disease research.
Targets(IC50)	ERK,Caspase,JNK,p38 MAPK

Solubility Information

Solubility	DMSO: 80 mg/mL (225.77 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	2.8221 mL	14.1103 mL	28.2207 mL
5 mM	0.5644 mL	2.8221 mL	5.6441 mL
10 mM	0.2822 mL	1.411 mL	2.8221 mL
50 mM	0.0564 mL	0.2822 mL	0.5644 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

- Feng Zhang, et al. A new amide from *Asarum forbesii* Maxim. *J Asian Nat Prod Res.* 2005 Feb;7(1):1-5.
Cheng FC, et al. Neuroprotective effects of sesamin and sesamolin on gerbil brain in cerebral ischemia. *Int J Biomed Sci.* 2006 Sep;2(3):284-8.

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