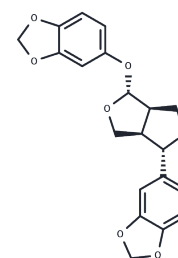


Sesamolin

Chemical Properties

CAS No. :	526-07-8
Formula:	C ₂₀ H ₁₈ O ₇
Molecular Weight:	370.35
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Sesamolin and Sesamin has neuroprotective effect. 2. Sesamolin protects microglia against H ₂ O ₂ -induced cell injury, by inhibiting of p38 MAPK and caspase-3 activation and ROS production. 3. Sesamolin and Sesamin can significantly attenuate the excess generation of nitric oxide in lipopolysaccharide-stimulated rat primary microglia cells.
Targets(IC ₅₀)	Caspase,JNK,p38 MAPK

Solubility Information

Solubility	DMSO: 55 mg/mL (148.51 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7001 mL	13.5007 mL	27.0015 mL
5 mM	0.540 mL	2.7001 mL	5.4003 mL
10 mM	0.270 mL	1.3501 mL	2.7001 mL
50 mM	0.054 mL	0.270 mL	0.540 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

Cheng F C , Jinn T R , Hou R C W , et al. Neuroprotective Effects of Sesamin and Sesamolin on Gerbil Brain in Cerebral Ischemia[J]. International Journal of Biomedical Science Ijbs, 2006, 2(3):284-288.

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