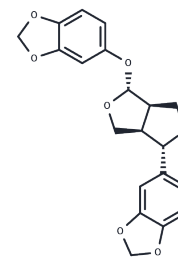


## Sesamol

### Chemical Properties

CAS No. :	526-07-8
Formula:	C <sub>20</sub> H <sub>18</sub> O <sub>7</sub>
Molecular Weight:	370.35
Storage:	Store at low temperature 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	1. Sesamol and Sesamin has neuroprotective effect. 2. Sesamol protects microglia against H <sub>2</sub> O <sub>2</sub> -induced cell injury, by inhibiting of p38 MAPK and caspase-3 activation and ROS production. 3. Sesamol and Sesamin can significantly attenuate the excess generation of nitric oxide in lipopolysaccharide-stimulated rat primary microglia cells.
Targets(IC50)	NF-κB,Caspase,JNK,p38 MAPK,ROS

### Solubility Information

Solubility	DMSO: 100 mg/mL (270.01 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.

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

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

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