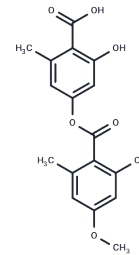


Evernic acid

Chemical Properties

CAS No. :	537-09-7
Formula:	C17H16O7
Molecular Weight:	332.3
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	Evernic acid is a natural metabolite discovered in Evernia prunastri. It can cross the blood-brain barrier, inhibit TrxR1 enzyme activity and the NF-κB pathway, and exhibits neuroprotective and anti-inflammatory effects in Parkinson's disease models. It also possesses anticancer, antifungal, and antibacterial properties.
Targets(IC50)	NF-κB, Endogenous Metabolite, Antibacterial, Antifungal, Immunology/Inflammation related

Solubility Information

Solubility	DMSO: 8 mg/mL (24.07 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	3.0093 mL	15.0466 mL	30.0933 mL
5 mM	0.6019 mL	3.0093 mL	6.0187 mL
10 mM	0.3009 mL	1.5047 mL	3.0093 mL
50 mM	0.0602 mL	0.3009 mL	0.6019 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

Lee S, et al. Neuroprotective and Anti-Inflammatory Effects of Evernic Acid in an MPTP-Induced Parkinson's Disease Model. Int J Mol Sci. 2021;22(4):2098. Published 2021 Feb 20.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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