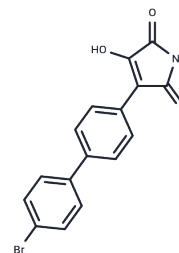


Glycolic acid oxidase inhibitor 1

Chemical Properties

CAS No. :	77529-42-1
Formula:	C16H10BrNO3
Molecular Weight:	344.16
Storage:	Keep away from direct sunlight, 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	Glycolic acid oxidase inhibitor 1 (compound 2 in table 1) is an inhibitor of glycolate oxidase, which reduces the risk of kidney stone formation. It also inhibits the contraction of guinea pig ileum induced by slow reactive substances (SRS-A) caused by allergic reactions, and has therapeutic potential for the treatment of allergic diseases such as asthma.
Targets(IC50)	Others
In vivo	Glycolic acid oxidase inhibitor 1 is a glycolate oxidase inhibitor, was shown to suppress oxalate production in isolated rat livers under perfusion [1].

Solubility Information

Solubility	DMSO: 120 mg/mL (348.68 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	2.9056 mL	14.5281 mL	29.0563 mL
5 mM	0.5811 mL	2.9056 mL	5.8113 mL
10 mM	0.2906 mL	1.4528 mL	2.9056 mL
50 mM	0.0581 mL	0.2906 mL	0.5811 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

Cragoe Jr., Edward J, et al. 4-Substituted-3-hydroxy-3-pyrroline-2,5-dione compounds, process for their preparation and pharmaceutical compositions containing the same.EP0021228A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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