Data Sheet (Cat.No.T38276)



Benzomalvin C

Chemical Properties

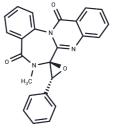
CAS No.: 157047-98-8

Formula: C24H17N3O3

Molecular Weight: 395.418

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description

Benzomalvin C is a weak antagonist of the neurokinin-1 (NK1) receptor inhibiting binding of substance P by 46% when used at 100 μg/ml in vitro. It is also a weak inhibitor of indolamine 2,3-dioxygenase (IDO) with an IC50 value of 130 μM for recombinant IDO. It was isolated from Penicillium and contains an epoxide group at C-

19 and C-20, which is not present in benzomalvins A, B, or E.

Solubility Information

Solubility DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.529 mL	12.6448 mL	25.2896 mL
5 mM	0.5058 mL	2.529 mL	5.0579 mL
10 mM	0.2529 mL	1.2645 mL	2.529 mL
50 mM	0.0506 mL	0.2529 mL	0.5058 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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