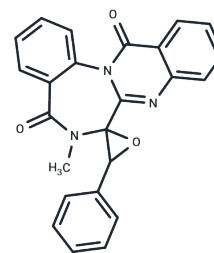


Benzomalvin C

Chemical Properties

CAS No. :	157047-98-8
Formula:	C ₂₄ H ₁₇ N ₃ O ₃
Molecular Weight:	395.418
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	Benzomalvin C is a weak antagonist of the neurokinin-1 (NK1) receptor, inhibiting binding of substance P by 46% at 100 µg/ml in vitro, and a weak inhibitor of indolamine 2,3-dioxygenase (IDO) with an IC ₅₀ value of 130 µM for recombinant IDO. Isolated from Penicillium, it contains an epoxide group at C-19 and C-20, absent in benzomalvins A, B, or E.
Targets(IC50)	Others, Neurokinin receptor

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.529 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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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