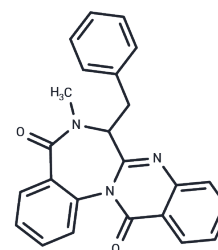


Benzomalvin A

Chemical Properties

CAS No. :	157047-96-6
Formula:	C ₂₄ H ₁₉ N ₃ O ₂
Molecular Weight:	381.43
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 A is a filamentous fungal secondary metabolite.
Targets(IC50)	Others, Neurokinin receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6217 mL	13.1086 mL	26.2171 mL
5 mM	0.5243 mL	2.6217 mL	5.2434 mL
10 mM	0.2622 mL	1.3109 mL	2.6217 mL
50 mM	0.0524 mL	0.2622 mL	0.5243 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

- Sun HH, Barrow CJ, Sedlock DM, Gillum AM, Cooper R. Benzomalvins, new substance P inhibitors from a *Penicillium* sp. *J Antibiot* (Tokyo). 1994 May;47(5):515-22. PubMed PMID: 7518818.
- Clevenger KD, Ye R, Bok JW, Thomas PM, Islam MN, Miley GP, Robey MT, Chen C, Yang K, Swyers M, Wu E, Gao P, Wu CC, Keller NP, Kelleher NL. Interrogation of Benzomalvin Biosynthesis Using Fungal Artificial Chromosomes with Metabolomic Scoring (FAC-MS): Discovery of a Benzodiazepine Synthase Activity. *Biochemistry*. 2018 Jun 12;57(23):3237-3243. doi: 10.1021/acs.biochem.8b00076. Epub 2018 Mar 20. PubMed PMID: 29533658; PubMed Central PMCID: PMC5997561.

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