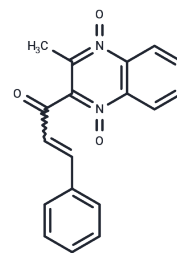


Quinocetone

Chemical Properties

CAS No. :	81810-66-4
Formula:	C ₁₈ H ₁₄ N ₂ O ₃
Molecular Weight:	306.32
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	Quinocetone is an animal growth promoter and potential anti-tumor activity.
Targets(IC50)	Apoptosis,NF-κB,Nrf2,Antibacterial,NO Synthase,Antibiotic,Autophagy,DAPK,ROS
In vitro	quinocetone stimulates the MRLC-mediated mAtg9 trafficking, which is critical for autophagosome formation, via the ATF6 upregulated expression of DAPK1[1]

Solubility Information

Solubility	DMSO: 22.5 mg/mL (73.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2646 mL	16.3228 mL	32.6456 mL
5 mM	0.6529 mL	3.2646 mL	6.5291 mL
10 mM	0.3265 mL	1.6323 mL	3.2646 mL
50 mM	0.0653 mL	0.3265 mL	0.6529 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

Yan Zhou, Shen Zhang , Chongshan Dai, et al. Quinocetone Triggered ER Stress-Induced Autophagy via ATF6/DAPK1-modulated mAtg9a Trafficking. *Cell Biol Toxicol.* 2016 Apr;32(2):141-52.

M Qiu, Z Hao, R Zhang. Plasma Pharmacokinetics of Quinocetone in Ducks After Oral and Intravenous Administration. *J Vet Pharmacol Ther.* 2018 Feb;41(1):142-147.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481