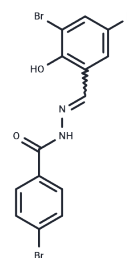


D13

Chemical Properties

CAS No. : 321945-27-1
 Formula: C₁₄H₉Br₃N₂O₂
 Molecular Weight: 476.95
 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	D13 is an acylhydrazone antifungal. ¹ It is active against <i>C. neoformans</i> in vitro (MIC ₈₀ = 0.06 µg/ml). D13 (20 mg/kg per day, p.o.) increases survival in mouse models of <i>C. neoformans</i> , <i>C. albicans</i> , or <i>A. fumigatus</i> infection.
Targets(IC50)	Others,Antifungal

Solubility Information

Solubility	DMSO: 10 mg/mL (20.97 mM),Sonication is recommended. DMF: 30 mg/mL (62.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0967 mL	10.4833 mL	20.9666 mL
5 mM	0.4193 mL	2.0967 mL	4.1933 mL
10 mM	0.2097 mL	1.0483 mL	2.0967 mL
50 mM	0.0419 mL	0.2097 mL	0.4193 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

Lazzarini, C., Haranahalli, K., Rieger, R., et al. Acylhydrazones as antifungal agents targeting the synthesis of fungal sphingolipids. *Antimicrob. Agents Chemother.* 62(5), e00156-00118 (2018).

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