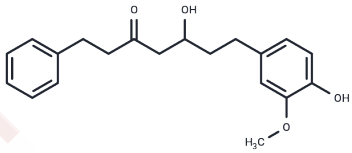
Data Sheet (Cat.No.TN3118)

TargetMol

Diphenylheptane A

Chemical Properties



CAS No. : 79559-61-8

Formula: C20H24O4

Molecular Weight: 328.40

Storage: Keep away from direct sunlight,Store at low temperature
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	Diphenylheptane A (DHPA), isolated from the rhizomes of the plant Curcuma longa L., is a phenolic dialog compound with antimicrobial activity.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0451 mL	15.2253 mL	30.4507 mL
5 mM	0.609 mL	3.0451 mL	6.0901 mL
10 mM	0.3045 mL	1.5225 mL	3.0451 mL
50 mM	0.0609 mL	0.3045 mL	0.609 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

Tianyi Liu, et al. Small Molecule Compound DHPA Screened by Computer-Aided Drug Design and Molecular Dynamics Simulation Inhibits Neuroblastoma Cell Proliferation by Targeting TrkB. ACS Omega 2024 9 (41), 42227-42244

She Y, Zheng Q, Xiao X, Wu X, Feng Y. An analysis on the suppression of NO and PGE2 by diphenylheptane A and its effect on glycerophospholipids of lipopolysaccharide-induced RAW264.7 cells with UPLC/ESI-QTOF-MS. Anal Bioanal Chem. 2016 May;408(12):3185-201.

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