Data Sheet (Cat.No.T84394)

TargetMol

12-doxyl Stearic Acid

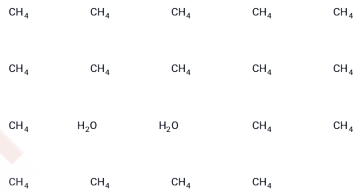
Chemical Properties

CAS No. : 29545-47-9

Formula: C22H42NO4

Molecular Weight: 384.6

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	12-Doxyl stearic acid, a derivative of stearic acid featuring a 4,4-dimethyl-3-oxazolinyloxy (DOXYL) group, functions as a hydrophobic spin label. This compound is prevalently utilized in research to investigate the molecular characteristics of membranes and hydrophobic proteins.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6001 mL	13.0005 mL	26.001 mL
5 mM	0.520 mL	2.6001 mL	5.2002 mL
10 mM	0.260 mL	1.3001 mL	2.6001 mL
50 mM	0.052 mL	0.260 mL	0.520 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.

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