

1-O-Dodecylglycerol

Chemical Properties

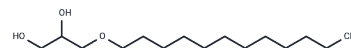
CAS No. : 1561-07-5

Formula: C₁₅H₃₂O₃

Molecular Weight: 260.41

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	1-O-Dodecyl-rac-glycerol is an organic compound classified as a racemic glycerol derivative. It consists of a dodecyl chain attached to the sn-1 position of a rac-glycerol molecule. This compound finds various applications in the pharmaceutical industry, particularly as an intermediate for synthesizing lipid-based drug delivery systems and membranes. Additionally, it has potential uses as an emulsifier and surfactant in cosmetics and personal care products.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8401 mL	19.2005 mL	38.401 mL
5 mM	0.768 mL	3.8401 mL	7.6802 mL
10 mM	0.384 mL	1.920 mL	3.8401 mL
50 mM	0.0768 mL	0.384 mL	0.768 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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