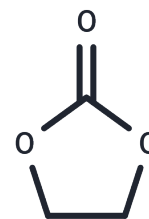


Ethylene carbonate

Chemical Properties

CAS No. :	96-49-1
Formula:	C ₃ H ₄ O ₃
Molecular Weight:	88.06
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ethylene carbonate is a cyclic carbonate ester, a polar non-protonic solvent with a high dielectric constant, widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	11.3559 mL	56.7795 mL	113.5589 mL
5 mM	2.2712 mL	11.3559 mL	22.7118 mL
10 mM	1.1356 mL	5.6779 mL	11.3559 mL
50 mM	0.2271 mL	1.1356 mL	2.2712 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

Alvarez Serafini M, et al. Synthesis of Glycerol Carbonate from Ethylene Carbonate Using Zinc Stearate as a Catalyst: Operating Conditions and Kinetic Modeling. *Molecules*. 2023 Jan 30;28(3):1311.

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