

Ethylene glycol dimethacrylate

Chemical Properties

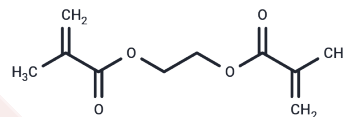
CAS No. : 97-90-5

Formula: C₁₀H₁₄O₄

Molecular Weight: 198.22

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	Ethylene glycol dimethacrylate, a methacrylate monomer, demonstrates cytotoxic and genotoxic impacts on human gingival fibroblasts (HGFs), elevating intracellular reactive oxygen species (ROS) levels, inducing DNA damage, enhancing apoptosis, and triggering cell cycle arrest in the G1/G0 phase [1].
Targets(IC50)	Apoptosis, Reactive Oxygen Species, Glutathione Peroxidase, ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0449 mL	25.2245 mL	50.449 mL
5 mM	1.009 mL	5.0449 mL	10.0898 mL
10 mM	0.5045 mL	2.5224 mL	5.0449 mL
50 mM	0.1009 mL	0.5045 mL	1.009 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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