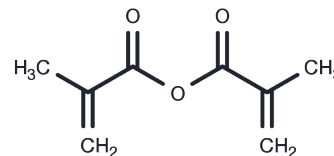


Methacrylic anhydride

Chemical Properties

CAS No. :	760-93-0
Formula:	C ₈ H ₁₀ O ₃
Molecular Weight:	154.16
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Methacrylic anhydride is a polymerizable 1,6-diolefin compound that can be radical-initiated to form soluble cyclohexane polymers. Methacrylic anhydride can spontaneously polymerize via vinyl groups, which is inhibited by 2-6-di-tert-butyl 4-methylphenol. Methacrylic anhydride can be used to study novel hydrogels. Methacrylic anhydride can be used to investigate new types of hydrogels.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (324.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.4868 mL	32.4338 mL	64.8677 mL
5 mM	1.2974 mL	6.4868 mL	12.9735 mL
10 mM	0.6487 mL	3.2434 mL	6.4868 mL
50 mM	0.1297 mL	0.6487 mL	1.2974 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.

Reference

Jesse CHH, et al. Copolymerization of methacrylic anhydride with vinyl monomers. Journal of Polymer Science. November 1961, 55(161):197-213.

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