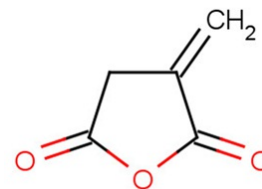


Itaconic anhydride

Chemical Properties

CAS No.:	2170-03-8
Formula:	C ₅ H ₄ O ₃
Molecular Weight:	112.08
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Itaconic anhydride (ITA) is a biobased material that is obtained from renewable resources. It is widely used in metal adhesion promoter, synthetic resin improver, esterification agent, herbicide, insecticide.
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Solubility Information

Solubility	DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.922 mL	44.611 mL	89.222 mL
5 mM	1.784 mL	8.922 mL	17.844 mL
10 mM	0.892 mL	4.461 mL	8.922 mL
50 mM	0.178 mL	0.892 mL	1.784 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Pehere, A., Xu, S., Thompson, S., Hillmyer, H., & Hoye, T. (2016). Diels-Alder Reactions of Furans with Itaconic Anhydride: Overcoming Unfavorable Thermodynamics. *Org Lett*, 3(18), 2584-7. doi: 10.1021/acs.orglett.6b00929

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