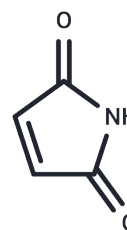


Maleimide

Chemical Properties

CAS No. : 541-59-3
Formula: C₄H₃NO₂
Molecular Weight: 97.07
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Maleimide (2,5-Pyrroledione) (2,5-Pyrroledone) is a new nanoparticle surface functional group which favors easy conjugation with cell penetration peptides. The conjugation is enabled via click chemistry to preserve its biofunctions.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (566.6 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.3018 mL	51.5092 mL	103.0184 mL
5 mM	2.0604 mL	10.3018 mL	20.6037 mL
10 mM	1.0302 mL	5.1509 mL	10.3018 mL
50 mM	0.206 mL	1.0302 mL	2.0604 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

Feng G, et al. Bright single-chain conjugated polymer dots embedded nanoparticles for long-term cell tracing and imaging. Small. 2014 Mar 26;10(6):1212-9.

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