

Maleimide

Chemical Properties

CAS No. : 541-59-3

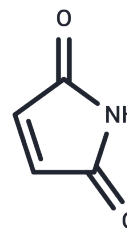
Formula: C₄H₃NO₂

Molecular Weight: 97.07

Keep away from direct sunlight

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	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,ADC Linker

Solubility Information

Solubility	DMSO: 55 mg/mL (566.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (20.6 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

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.

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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481