

SMPB Crosslinker

Chemical Properties

CAS No. : 79886-55-8

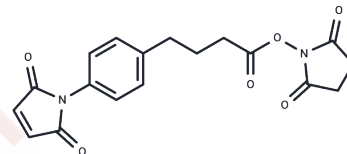
Formula: C₁₈H₁₆N₂O₆

Molecular Weight: 356.33

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	SMPB crosslinker is a heterobifunctional protein crosslinking reagent that is reactive toward sulfhydryl and amino groups. The SMPB protein crosslinker is an extended chain length analog of MBS crosslinker. SMPB crosslinker's spacer arm is non-cleavable.
Targets(IC50)	Others,DNA Alkylator/Crosslinker

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.8064 mL	14.0319 mL	28.0639 mL
5 mM	0.5613 mL	2.8064 mL	5.6128 mL
10 mM	0.2806 mL	1.4032 mL	2.8064 mL
50 mM	0.0561 mL	0.2806 mL	0.5613 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

Myers DE, Uckun FM, Swaim SE, Vallera DA. The effects of aromatic and aliphatic maleimide crosslinkers on anti-CD5 ricin immunotoxins. *J Immunol Methods*. 1989 Jul 6;121(1):129-42. PubMed PMID: 2474026.

Shoji H, Nomoto H, Ohta M, Hayashi K. Crosslinking of proteins in acetylcholine receptor-rich membranes from *Torpedo californica*: relation of 43-kD protein and *Torpedo* dystrophin to acetylcholine receptor. *Biochem Int*. 1992 Dec;28(6):1071-7. PubMed PMID: 1290462.

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