

## Data Sheet (Cat.No.T19943)

### SMPB Crosslinker

#### Chemical Properties

CAS No.:	79886-55-8
Formula:	C <sub>18</sub> H <sub>16</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	356.33
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

#### 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.
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#### 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	2.806 mL	14.032 mL	28.064 mL
5 mM	0.561 mL	2.806 mL	5.613 mL
10 mM	0.281 mL	1.403 mL	2.806 mL
50 mM	0.056 mL	0.281 mL	0.561 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

- 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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