

## MBS Crosslinker

## Chemical Properties

CAS No. : 58626-38-3

Formula: C<sub>15</sub>H<sub>10</sub>N<sub>2</sub>O<sub>6</sub>

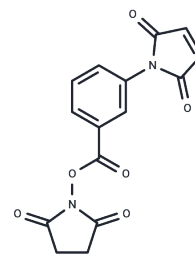
Molecular Weight: 314.25

Storage:

Store at low temperature, The compound is unstable in solution. Please use soon

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	MBS Crosslinker (MBS protein crosslinker) is a crosslinker that can be used as an asymmetric spacer.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble, The compound is unstable in solution. Please use soon. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1822 mL	15.9109 mL	31.8218 mL
5 mM	0.6364 mL	3.1822 mL	6.3644 mL
10 mM	0.3182 mL	1.5911 mL	3.1822 mL
50 mM	0.0636 mL	0.3182 mL	0.6364 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

- N. V. Komarova, et al. Optimization of silicon dioxide surface functionalization protocol for designing the receptor layer of a biosensor for detecting explosives. Moscow University Chemistry Bulletin volume 71, pages 25-31 (2016).
- Xu L, et al. Development of ELISA and chemiluminescence enzyme immunoassay for quantification of histamine in drug products and food samples. Anal Bioanal Chem. 2020 Jul;412(19):4739-4747.
- Nakakita SI, et al. Preparation and Detection of Glycan-Binding Activity of Influenza Virus. Methods Mol Biol. 2020; 2132:567-583.
- Zhang G, et al. Conjugation of chitosan oligosaccharides via a carrier protein markedly improves immunogenicity of porcine circovirus vaccine. Glycoconj J. 2018 Oct;35(5):451-459.

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