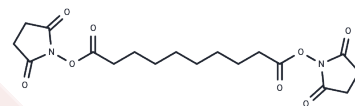


DSSeb Crosslinker

Chemical Properties

CAS No. :	23024-29-5
Formula:	C ₁₈ H ₂₄ N ₂ O ₈
Molecular Weight:	396.39
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	DSSeb Crosslinker (Disuccinimidyl sebacate) is a dual N-hydroxyethyl ketone ester and cell-membrane-permeable amine-reactive crosslinker, suitable for protein crosslinking and investigating protein-protein interactions.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 40 mg/mL (100.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5228 mL	12.6138 mL	25.2277 mL
5 mM	0.5046 mL	2.5228 mL	5.0455 mL
10 mM	0.2523 mL	1.2614 mL	2.5228 mL
50 mM	0.0505 mL	0.2523 mL	0.5046 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

- Heck T, et al. Enzyme-catalyzed protein crosslinking. Appl Microbiol Biotechnol. 2013 Jan;97(2):461-75.
- Reddy N, et al. Crosslinking biopolymers for biomedical applications. Trends Biotechnol. 2015 Jun;33(6):362-9.
- Movahedi A, et al. Cu(I) stabilizing crosslinked polyethyleneimine. Phys Chem Chem Phys. 2015 Jul 28;17(28):18327-36.
- Reinitz SD, et al. Crosslink density, oxidation and chain scission in retrieved, highly cross-linked UHMWPE tibial bearings. Biomaterials. 2014 May;35(15):4436-40.

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