

SBA Crosslinker

Chemical Properties

CAS No.:	42014-51-7
Formula:	C ₆ H ₆ BrNO ₄
Molecular Weight:	236.02
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	SBA crosslinker is a sulfhydryl and amino reactive heterobifunctional protein crosslinking reagent. SBA protein crosslinker is non-cleavable and is among the shortest amine and sulfhydryl reactive crosslinking reagents known with a spacer arm length of only 1.5 Angstroms. SBA Crosslinker is useful for making antibody-drug conjugates.
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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	4.237 mL	21.185 mL	42.369 mL
5 mM	0.847 mL	4.237 mL	8.474 mL
10 mM	0.424 mL	2.118 mL	4.237 mL
50 mM	0.085 mL	0.424 mL	0.847 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

- Zhao HM, Ma L, Lin D, Han KK, Chun Y, Xu QH. Preparation of cross-linked bimodal mesoporous SBA-15 with numerous pore openings. *J Nanosci Nanotechnol*. 2012 Dec;12(12):8955-62. PubMed PMID: 23447944.
- Bhange P, Sridevi N, Bhange DS, Prabhune A, Ramaswamy V. Immobilization of bile salt hydrolase enzyme on mesoporous SBA-15 for co-precipitation of cholesterol. *Int J Biol Macromol*. 2014 Feb;63:218-24. doi: 10.1016/j.ijbiomac.2013.11.008. Epub 2013 Nov 25. PubMed PMID: 24286937.
- Vinoba M, Bhagiyalakshmi M, Jeong SK, Yoon YI, Nam SC. Immobilization of carbonic anhydrase on spherical SBA-15 for hydration and sequestration of CO₂. *Colloids Surf B Biointerfaces*. 2012 Feb 1;90:91-6. doi: 10.1016/j.colsurfb.2011.10.001. Epub 2011 Oct 6. PubMed PMID: 22024402.
- Endo M, Tipper JL, Barton DC, Stone MH, Ingham E, Fisher J. Comparison of wear, wear debris and functional biological activity of moderately crosslinked and non-crosslinked polyethylenes in hip prostheses. *Proc Inst Mech Eng H*. 2002;216(2):111-22. PubMed PMID: 12022418.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481