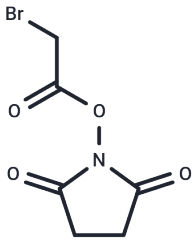
Data Sheet (Cat.No.T19942)

TargetMol

SBA Crosslinker

Chemical Properties



CAS No. : 42014-51-7

Formula: C6H6BrNO4

Molecular Weight: 236.02

Storage: Keep away from direct sunlight
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	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.
Targets(IC50)	Others

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2369 mL	21.1846 mL	42.3693 mL
5 mM	0.8474 mL	4.2369 mL	8.4739 mL
10 mM	0.4237 mL	2.1185 mL	4.2369 mL
50 mM	0.0847 mL	0.4237 mL	0.8474 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

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.