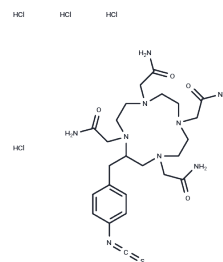


p-SCN-Bn-TCMC HCl

Chemical Properties

CAS No. :	2153478-57-8
Formula:	C ₂₄ H ₄₁ Cl ₄ N ₉ O ₄ S
Molecular Weight:	693.51
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	p-SCN-Bn-TCMC is a bifunctional chelator, it contains a powerful chelator TCMC and reactive thioisocyanate linker. TCMC is a powerful chelator with capability to strongly bind radio-isotopic heavy metal ion, which are widely used for radio-diagnostic/imaging research. The thioisocyanate functional group is reactive to amino and hydroxy groups, and can be used to make conjugate with peptides, antibodies and other bio-macromolecules.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4419 mL	7.2097 mL	14.4194 mL
5 mM	0.2884 mL	1.4419 mL	2.8839 mL
10 mM	0.1442 mL	0.721 mL	1.4419 mL
50 mM	0.0288 mL	0.1442 mL	0.2884 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

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Yong K, Brechbiel M. Application of (212)Pb for Targeted α -particle Therapy (TAT): Pre-clinical and Mechanistic Understanding through to Clinical Translation. AIMS Med Sci. 2015;2(3):228-245. Epub 2015 Aug 18. PubMed PMID: 26858987; PubMed Central PMCID: PMC4743765.

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