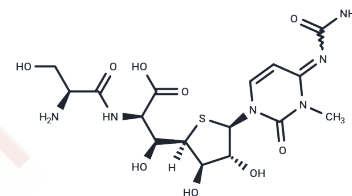


SB-217452

Chemical Properties

CAS No. : 93301-58-7
 Formula: C₁₆H₂₄N₆O₉S
 Molecular Weight: 476.46
 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	SB-217452 is a potent seryl tRNA synthetase inhibitor isolated from Streptomyces.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0988 mL	10.4941 mL	20.9881 mL
5 mM	0.4198 mL	2.0988 mL	4.1976 mL
10 mM	0.2099 mL	1.0494 mL	2.0988 mL
50 mM	0.042 mL	0.2099 mL	0.4198 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

- Kim JY, Carlson BA, Xu XM, Zeng Y, Chen S, Gladyshev VN, Lee BJ, Hatfield DL. Inhibition of selenocysteine tRNA[Ser] Sec aminoacylation provides evidence that aminoacylation is required for regulatory methylation of this tRNA. *Biochem Biophys Res Commun.* 2011 Jun 17;409(4):814-9. doi: 10.1016/j.bbrc.2011.05.096. Epub 2011 May 23. PubMed PMID: 21624347; PubMed Central PMCID: PMC3124823.
- Zeng Y, Roy H, Patil PB, Ibba M, Chen S. Characterization of two seryl-tRNA synthetases in albomycin-producing *Streptomyces* sp. strain ATCC 700974. *Antimicrob Agents Chemother.* 2009 Nov;53(11):4619-27. doi: 10.1128/AAC.00782-09. Epub 2009 Aug 31. PubMed PMID: 19721072; PubMed Central PMCID: PMC2772349.
- Stefanska AL, Fulston M, Houge-Frydrych CS, Jones JJ, Warr SR. A potent seryl tRNA synthetase inhibitor SB-217452 isolated from a *Streptomyces* species. *J Antibiot (Tokyo).* 2000 Dec;53(12):1346-53. PubMed PMID: 11217799.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481