

SBP1 TFA

Chemical Properties

CAS No. :

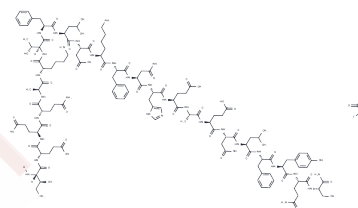
Formula: C127H185N31O41.XCF3COOH

Molecular Weight: 2802.00

Keep away from moisture

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

Spike Binding Peptide 1 (SBP1), representing amino acids 21-43 of angiotensin-converting enzyme 2 (ACE2), has been utilized in a novel approach involving lipid nanoparticles (LNPs) encapsulated with oseltamivir phosphate and conjugated to SBP1. This formulation aims to investigate the possibility of achieving a controlled, long-term in vivo release of oseltamivir phosphate. Furthermore, a 2% concentration of SBP1 immobilized on crosslinked networks composed of hydroxy acrylate and ethylxanthate ethyl acrylate has demonstrated enhanced in vitro efficiency in capturing the spike glycoprotein of severe acute respiratory coronavirus 2 (SARS-CoV-2), also referred to as the surface glycoprotein.

Solubility Information

Solubility

10% ACN/H₂O: Soluble
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3569 mL	1.7844 mL	3.5689 mL
5 mM	0.0714 mL	0.3569 mL	0.7138 mL
10 mM	0.0357 mL	0.1784 mL	0.3569 mL
50 mM	0.0071 mL	0.0357 mL	0.0714 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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