Product Data Sheet

Product Name: SP 10
Cat. No.: GC50750

Chemical Properties

Cas. No.	882157-88-2		
SMILES	O=C(N[C@@H]([C@H](O)C)C(N[C@@H](CO)C(N[C@@H](CCC(N)=O)C(N[C@@H](CCCCN)C(N[C@@H](CO)C(N[C@@H]([C@@H](C)CC)C(N[C@@H](C(C)C)C(N[C@@H](C)C(N[C@@H](CC1=CC=C(C=C1)O)C(N[C@@H]([C@H](O)C)C(N[C@@H](CCSC)C(O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)[C@H](CO)N		
Formula	C56H94N14O20S	M.Wt	1315.5
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	Ser-Thr-Ser-Gln-Lys-Ser-Ile-Val-Ala-Tyr-Thr-Met		

Background

Peptide originally derived from SARS-CoV Spike (S) protein; corresponds to amino acid residues 668 to 679. Highly potent inhibitor of SARS-CoV S protein and ACE2 interaction (IC50 = 1.88 nM in biochemical assay). Inhibits interaction of SARS-CoV S protein and Vero E6 cells in vitro. Please note, this peptide displays 80% sequence identity to homologous site on SARS-CoV-2 S-protein (residues 689-697).

Caution: Product has not been fully validated for medical applications. For research use only.
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