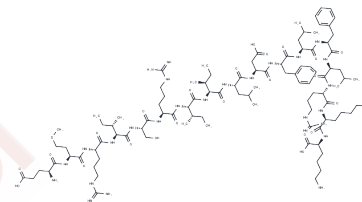


Competence-Stimulating Peptide-2 (CSP-2)

Chemical Properties

CAS No. :	1174553-84-4
Formula:	C101H172N28O23S
Molecular Weight:	2178.72
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Competence-Stimulating Peptide-2 (CSP-2) is a quorum sensing signal peptide synthesized by <i>Streptococcus pneumoniae</i> . Its compatible receptor, ComD2, exhibits an EC50 value of 50.7 nM.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.459 mL	2.2949 mL	4.5899 mL
5 mM	0.0918 mL	0.459 mL	0.918 mL
10 mM	0.0459 mL	0.2295 mL	0.459 mL
50 mM	0.0092 mL	0.0459 mL	0.0918 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

Yifang Yang, et al. Structural Characterization of Competence-Stimulating Peptide Analogues Reveals Key Features for ComD1 and ComD2 Receptor Binding in *Streptococcus pneumoniae*. *Biochemistry*. 2018 Sep 11;57(36): 5359-5369.

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