

SPACE peptide

Chemical Properties

CAS No. :

Formula: C40H63N15O17S2

Molecular Weight: 1090.17

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	SPACE peptide, a skin-penetrating peptide, facilitates the transfer of molecules through the skin.
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Solubility Information

Solubility	DMSO: 100 mg/mL (91.73 mM),Sonication is recommended. H2O: 50 mg/mL (45.86 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (3.03 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9173 mL	4.5864 mL	9.1729 mL
5 mM	0.1835 mL	0.9173 mL	1.8346 mL
10 mM	0.0917 mL	0.4586 mL	0.9173 mL
50 mM	0.0183 mL	0.0917 mL	0.1835 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

Hsu T, et al. Delivery of siRNA and other macromolecules into skin and cells using a peptide enhancer. Proc Natl Acad Sci U S A. 2011 Sep 20;108(38):15816-21.

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