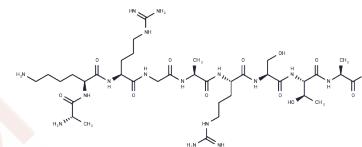


## LinTT1 peptide

### Chemical Properties

CAS No. :	2031154-77-3
Formula:	C36H68N16O12
Molecular Weight:	917.025
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	The LinTT1 peptide is a tumor-penetrating peptide with the amino acid sequence AKRGARST. It targets peritoneal cancer (PC) by binding to the p32 (gC1qR) receptor. The LinTT1 can associate with iron oxide nanohelical (NWS) structures to form a nanocarrier that is taken up by peritoneal cancer cells in vitro and penetrates mitochondria; it also shows significant tumor-targeting and penetration effects in vivo in mice. Furthermore, LinTT1-functionalized nanocarriers combined with the pro-apoptotic peptide [D (KLAKLAK)2] demonstrate substantial tumor inhibition in a mouse peritoneal tumor model. LinTT1 peptide holds promise as a delivery vehicle for peritoneal cancer research.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0905 mL	5.4524 mL	10.9048 mL
5 mM	0.2181 mL	1.0905 mL	2.181 mL
10 mM	0.109 mL	0.5452 mL	1.0905 mL
50 mM	0.0218 mL	0.109 mL	0.2181 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.

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