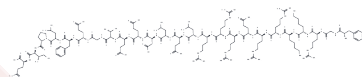


## TAT 14

## Chemical Properties

CAS No. :	1362661-34-4
Formula:	C137H230N48O39
Molecular Weight:	3173.59
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	TAT 14, a 14-mer peptide, is an Nrf2 activator with anti-inflammatory properties. TAT-14 increases Nrf2 protein levels due to targeting the Nrf2 binding site on Keap1, but has no effect on Nrf2 mRNA expression.
Targets(IC50)	Nrf2

## Solubility Information

Solubility	H2O: 100 mg/mL (31.51 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3151 mL	1.5755 mL	3.151 mL
5 mM	0.063 mL	0.3151 mL	0.6302 mL
10 mM	0.0315 mL	0.1576 mL	0.3151 mL
50 mM	0.0063 mL	0.0315 mL	0.063 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

Steel et al (2012) Anti-inflammatory effect of a cell-penetrating peptide targeting the Nrf2/Keap1 interaction. ACS Med.Chem.Lett. 3 407 PMID:

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