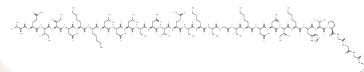


## Tau Peptide (275-305) (Repeat 2 domain)

## Chemical Properties

CAS No. :	330456-25-2
Formula:	C139H239N43O45S
Molecular Weight:	3264.76
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	Tau Peptide (275-305), also known as the R2 domain fragment, represents the second repeat unit of the microtubule-binding domain of the Alzheimer's tau peptide. Tau Peptide (275-305) is considered crucial in determining the biochemical characteristics of the complete tau protein.
Targets(IC50)	Microtubule Associated

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3063 mL	1.5315 mL	3.063 mL
5 mM	0.0613 mL	0.3063 mL	0.6126 mL
10 mM	0.0306 mL	0.1532 mL	0.3063 mL
50 mM	0.0061 mL	0.0306 mL	0.0613 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

Dan-Jing Yang, et al. Mercury(II) promotes the in vitro aggregation of tau fragment corresponding to the second repeat of microtubule-binding domain: Coordination and conformational transition. Biopolymers. 2010 Dec;93 (12):1100-7.

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