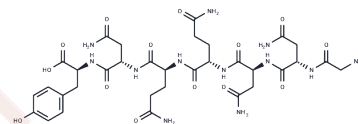


Amyloid-Forming peptide GNNQQNY

Chemical Properties

CAS No. :	339091-39-3
Formula:	C33H48N12O14
Molecular Weight:	836.81
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	Amyloid-Forming peptide GNNQQNY, a biologically active heptapeptide derived from the N-terminal prion-determining domain of yeast Sup35, is instrumental in amyloid fibril formation. Its atomic oligomeric structure has been detailed, serving as an excellent model for investigating early-stage aggregation. The peptide can form three stable β -sheet structures: in-register parallel, off-register parallel, and anti-parallel. Notably, the in-register parallel dimer aligns closely with amyloid β -sheet architecture, relying on fewer interpeptide hydrogen bonds and emphasizing hydrophobic interactions, which enhances conformational entropy relative to the anti-parallel arrangement.
Targets(IC50)	Beta Amyloid

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.195 mL	5.9751 mL	11.9501 mL
5 mM	0.239 mL	1.195 mL	2.390 mL
10 mM	0.1195 mL	0.5975 mL	1.195 mL
50 mM	0.0239 mL	0.1195 mL	0.239 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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