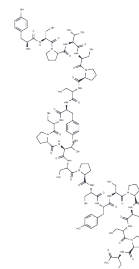


## [pSer2, pSer5, pSer7]-CTD

## Chemical Properties

CAS No. :	1793080-95-1
Formula:	C96H137N21O37
Molecular Weight:	2177.23
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	[pSer2, pSer5, pSer7]-CTD is a substrate for CDK7(cyclin-dependent protein kinase), a phosphorylated polypeptide at ser2, ser5, and ser7 of RNA polymerase II carboxyl terminus (CTD).
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## Solubility Information

Solubility	H2O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4593 mL	2.2965 mL	4.593 mL
5 mM	0.0919 mL	0.4593 mL	0.9186 mL
10 mM	0.0459 mL	0.2296 mL	0.4593 mL
50 mM	0.0092 mL	0.0459 mL	0.0919 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

Czudnochowski N, et al. Serine-7 but not serine-5 phosphorylation primes RNA polymerase II CTD for P-TEFb recognition. Nat Commun. 2012 May 15;3:842.

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