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**Product Data Sheet**

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Product Name: [pThr3]-CDK5 Substrate

Cat. No.: GC35022

**Chemical Properties**

Cas. No. 1670273-47-8

Formula C<sub>53</sub>H<sub>100</sub>N<sub>15</sub>O<sub>15</sub>P

M.Wt

1218.43

Solubility Soluble in DMSO

Storage

Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

[pThr3]-CDK5 Substrate is an effective Phospho-Thr3CDK5 Substrate. [pThr3]-CDK5 Substrate is derived from the sequence of the histone H1 peptide that docks in the active site of CDK5. [pThr3]-CDK5 Substrate is phosphorylated by CDK5 with a Km value of 6 μM[1].

[1]. Beaudette KN, et al. Substrate specificity characterization of a cdc2-like protein kinase purified from bovine brain. J Biol Chem. 1993 Oct 5;268(28):20825-30.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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