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**Product Data Sheet**

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Product Name: [pSer2, pSer5, pSer7]-CTD TFA

Cat. No.: GC35021

**Chemical Properties**

Cas. No.

Formula C<sub>98</sub>H<sub>138</sub>F<sub>3</sub>N<sub>21</sub>O<sub>39</sub>

M.Wt

2291.25

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 [pSer2, pSer5, pSer7]-CTD TFA

**Background**

[pSer2, pSer5, pSer7]-CTD (TFA), a substrate for CDK7 (cyclin dependent protein kinase), is a phosphorylated polypeptide at ser2, ser5 and ser7 sites of RNA polymerase II carboxy-terminal domain (CTD)[1].

[1]. 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.

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

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