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**Product Data Sheet**


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Product Name: PKCθ Pseudosubstrate Inhibitor

Cat. No.: GC44657

**Chemical Properties**

Cas. No.

SMILES [H]N[C@@H](CC(C)C)C(N[C@H](C(N[C@@H](CCC(N)=O)C(N[C@@H](CCCNC(N)=N)C(N[C@@H](CCCNC(N)=N)C(NCC(N[C@H](C(N[C@]([C@H](CC)C)([H])C(N[C@@H](CCCCN)C(N[C@@H](CCC(N)=O)C(N[C@H](C(N[C@@H](CCCNC(N)=N)C(N[C@@H](CCCNC(N)=N)C(N[C@H](C(N[C@@H](CCCNC(N)=N)C(N[C@H]

Formula C<sub>95</sub>H<sub>165</sub>N<sub>39</sub>O<sub>20</sub>

M.Wt 2173.6

Solubility DMF: 20 mg/ml, DMSO: 30 mg/ml, PBS (pH 7.2): 10 mg/ml

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**

PKCθ pseudosubstrate inhibitor is a synthetic peptide that corresponds to amino acid residues of the pseudosubstrate domain of protein kinase Cθ (PKCθ). It selectively, reversibly, and substrate-competitively inhibits PKCθ activity and, thus, is used to delineate the signaling functions of PKCθ, which are thought to be involved in several autoimmune disorders.

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

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