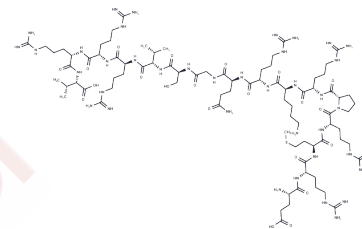


## Protein Kinase C Peptide Substrate

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 120253-69-2   |
| Formula:          | C83H155N39O21S  |
| Molecular Weight: | 2067.43   |
| Storage:          | Keep away from moisture<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



## Biological Description

|               |  |
|---------------|--|
| Description   | Protein Kinase C Peptide Substrate targets specific cell spacers in a manner that is dependent on second messengers and specific adaptor proteins in response to extracellular signals that activate G protein-coupled receptors, tyrosine Kinase receptors, or tyrosine kinase-coupled receptors. |
| Targets(IC50) | PKC  |

## Solubility Information

|            |   |
|------------|---|
| Solubility | H2O: Soluble,<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.4837 mL | 2.4185 mL | 4.8369 mL |
| 5 mM  | 0.0967 mL | 0.4837 mL | 0.9674 mL |
| 10 mM | 0.0484 mL | 0.2418 mL | 0.4837 mL |
| 50 mM | 0.0097 mL | 0.0484 mL | 0.0967 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

Akita Y, et al. Protein kinase C-epsilon (PKC-epsilon): its unique structure and function. J Biochem. 2002 Dec;132(6):847-52.

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