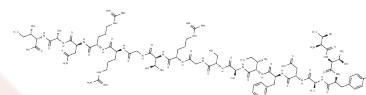


Protein kinase inhibitor peptide

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 128022-93-5 |
| Formula: | C84H136N28O27 |
| Molecular Weight: | 1970.15 |
| 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 | Protein kinase inhibitor peptide matches the inhibitory domain of the heat-stable protein kinase inhibitor. |
|-------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.5076 mL | 2.5379 mL | 5.0758 mL |
| 5 mM | 0.1015 mL | 0.5076 mL | 1.0152 mL |
| 10 mM | 0.0508 mL | 0.2538 mL | 0.5076 mL |
| 50 mM | 0.0102 mL | 0.0508 mL | 0.1015 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

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- Olah GA, Mitchell RD, Sosnick TR, Walsh DA, Trewhella J. Solution structure of the cAMP-dependent protein kinase catalytic subunit and its contraction upon binding the protein kinase inhibitor peptide. *Biochemistry*. 1993 Apr 13; 32(14):3649-57. PubMed PMID: 8385485.
- Taffs RE, Sitkovsky MV. Modulation of the effector functions of cytolytic T-lymphocytes with synthetic peptide inhibitors of protein kinases. *J Pharm Sci*. 1992 Jan;81(1):37-44. PubMed PMID: 1619567.
- Glass DB, Feller MJ, Levin LR, Walsh DA. Structural basis for the low affinities of yeast cAMP-dependent and mammalian cGMP-dependent protein kinases for protein kinase inhibitor peptides. *Biochemistry*. 1992 Feb 18;31(6):1728-34. PubMed PMID: 1310617.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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