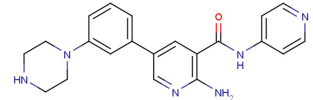


Data Sheet (Cat.No.T12495)

PKC-iota inhibitor 1

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | T12495 |
| Formula: | C ₂₁ H ₂₂ N ₆ O |
| Molecular Weight: | 374.44 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|--|
| Description | PKC-iota inhibitor 1 is a inhibitor of protein kinase C-iota (PKC-ι ₇)(IC ₅₀ value of 0.34 μM). |
| Targets(IC ₅₀) | PKC-iota: 0.34 μM |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 2.671 mL | 13.353 mL | 26.707 mL |
| 5 mM | 0.534 mL | 2.671 mL | 5.341 mL |
| 10 mM | 0.267 mL | 1.335 mL | 2.671 mL |
| 50 mM | 0.053 mL | 0.267 mL | 0.534 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kwiatkowski J, et al. Fragment-based Discovery of a Small-Molecule Protein Kinase C-iota Inhibitor Binding Post-kinase Domain Residues. ACS Med Chem Lett. 2019 Feb 15;10(3):318-323.

Inhibitors · Natural Compounds · Compound Libraries

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