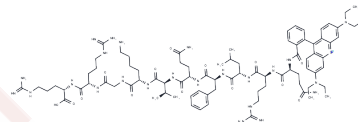


PBP10

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 794466-43-6 |
| Formula: | C ₈₄ H ₁₂₆ N ₂₄ O ₁₅ |
| Molecular Weight: | 1712.1 |
| 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 | Selective formyl peptide receptor 2 (FPR2) antagonist; cell permeable. Selectively inhibits FPR2-mediated NADPH oxidase activity but has no effect on FPR1 signaling in neutrophils. Displays PIP2 binding activity in vitro and blocks cell motility. Also exhibits antiviral activity against influenza viruses via inhibition of viral-induced ERK activation. |
| Targets(IC50) | Antibacterial |

Solubility Information

| | |
|------------|--|
| Solubility | H ₂ O: 2 mg/mL (1.17 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.5841 mL | 2.9204 mL | 5.8408 mL |
| 5 mM | 0.1168 mL | 0.5841 mL | 1.1682 mL |
| 10 mM | 0.0584 mL | 0.292 mL | 0.5841 mL |
| 50 mM | 0.0117 mL | 0.0584 mL | 0.1168 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

Cunningham et al (2011) Cell permeant polyphosphoinositide-binding peptides that block cell motility and actin assembly. J.Biol.Chem. 276 43390 PMID:

Forsman et al (2012) Structural characterization and inhibitory profile of formyl peptide receptor 2 selective peptides descending from a PIP2-binding domain of gelsolin. J.Immunol. 189 629 PMID:

Courtin et al (2017) Antiviral activity of formyl peptide receptor 2 antagonists against influenza viruses. Antiviral. Res. 5 252 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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