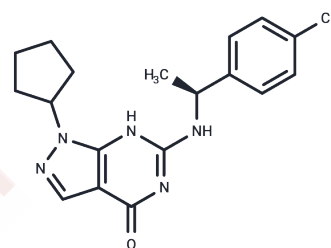


PDE9-IN-(S)-C33

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2066488-39-7 |
| Formula: | C ₁₈ H ₂₀ ClN ₅ O |
| Molecular Weight: | 357.84 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|----------------------------|--|
| Description | PDE9-IN-(S)-C33 ((S)-C33) is a potent and selective inhibitor of PDE9 (IC ₅₀ = 11 nM). PDE9-IN-(S)-C33 can be used for central nervous system diseases and diabetes research. |
| Targets(IC ₅₀) | PDE |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 95 mg/mL (265.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7945 mL | 13.9727 mL | 27.9455 mL |
| 5 mM | 0.5589 mL | 2.7945 mL | 5.5891 mL |
| 10 mM | 0.2795 mL | 1.3973 mL | 2.7945 mL |
| 50 mM | 0.0559 mL | 0.2795 mL | 0.5589 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

Huang M, Shao Y, Hou J, et al. Structural Asymmetry of Phosphodiesterase-9A and a Unique Pocket for Selective Binding of a Potent Enantiomeric Inhibitor. Mol Pharmacol. 2015;88(5):836-845.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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