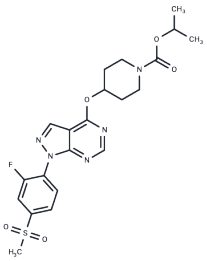
# Data Sheet (Cat.No.T2088)

TargetMol

APD668

## Chemical Properties



CAS No. : 832714-46-2

Formula: C21H24FN5O5S

Molecular Weight: 477.51

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 | APD668 is a potent GPR119 agonist with EC50 of 2.7 nM and 33 nM for hGPR119 and ratGPR119, respectively. |
| Targets(IC50) | Cytochromes P450,GPCR,Potassium Channel |

## Solubility Information

| | |
|---|---|
| Solubility | DMSO: 45 mg/mL (94.24 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.0942 mL | 10.471 mL | 20.942 mL |
| 5 mM | 0.4188 mL | 2.0942 mL | 4.1884 mL |
| 10 mM | 0.2094 mL | 1.0471 mL | 2.0942 mL |
| 50 mM | 0.0419 mL | 0.2094 mL | 0.4188 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


Semple G, et al. Bioorg Med Chem Lett. 2011 May 15;21(10):3134-41.

Xu P, Huang S, Guo S, et al. Structural identification of lysophosphatidylcholines as activating ligands for orphan receptor GPR119. Nature Structural & Molecular Biology. 2022: 1-8.

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