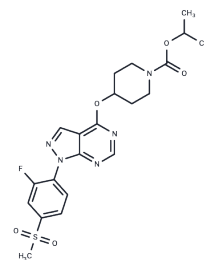


APD668

Chemical Properties

CAS No. : 832714-46-2
 Formula: C₂₁H₂₄FN₅O₅
 Molecular Weight: 477.51
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	APD668 is a potent GPR119 agonist with EC ₅₀ of 2.7 nM and 33 nM for hGPR119 and ratGPR119, respectively.
Targets(IC ₅₀)	Cytochromes P450, GPCR, Potassium Channel

Solubility Information

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

Reference

Sample 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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