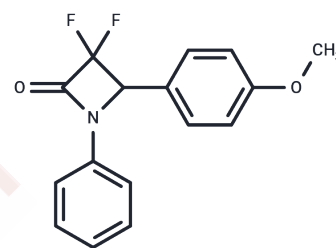


NCRW0005-F05

Chemical Properties

CAS No. : 342779-66-2
 Formula: C₁₆H₁₃F₂NO₂
 Molecular Weight: 289.28
 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	NCRW0005-F05 is a potent agonist of orphan G-protein coupled receptor GPR139 with an IC ₅₀ value of 0.21 μM. NCRW0005-F05 can be used to research diabetes, obesity and Parkinson's disease [1].
Targets(IC ₅₀)	GPCR

Solubility Information

Solubility	DMSO: 90 mg/mL (311.12 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	3.4569 mL	17.2843 mL	34.5686 mL
5 mM	0.6914 mL	3.4569 mL	6.9137 mL
10 mM	0.3457 mL	1.7284 mL	3.4569 mL
50 mM	0.0691 mL	0.3457 mL	0.6914 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

Wang J, et al. High-throughput screening of antagonists for the orphan G-protein coupled receptor GPR139. Acta Pharmacol Sin. 2015 Jul;36(7):874-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481