

NCGC00135472

Chemical Properties

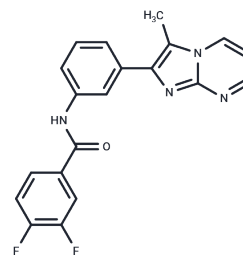
CAS No. : 862811-76-5

Formula: C₂₀H₁₄F₂N₄O

Molecular Weight: 364.35

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	NCGC00135472 (DRV1 (GPR32) agonist C2A) is a human Resolvin D1 receptor DRV1 agonist with pro-catabolic properties that activates the human soluble protein D1 receptor DRV1/GPR32 receptor in beta-blocker and cAMP assays with EC ₅₀ s of 0.37 μ M and 0.05 μ M, respectively. NCGC00135472 induces in cells overexpressing recombinant DRV1 rapid impedance changes that stimulate phagocytosis of serum-treated zymoglycans.
Targets(IC ₅₀)	Others
In vitro	We implemented a high-throughput screening of small molecule libraries and identified chemotypes that activated recombinant DRV1, including NCGC00135472 (C2A). NCGC00135472 (100 nM to 10 mM) dose-dependently elicited rapid changes in impedance with CHO-DRV1.[1]

Solubility Information

Solubility	DMSO: 1.8 mg/mL (5.0 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7446 mL	13.7231 mL	27.4461 mL
5 mM	0.5489 mL	2.7446 mL	5.4892 mL
10 mM	0.2745 mL	1.3723 mL	2.7446 mL
50 mM	0.0549 mL	0.2745 mL	0.5489 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

Chiang N, et al. Identification of Chemotype Agonists for Human Resolvin D1 Receptor DRV1 with Pro-Resolving Functions. Cell Chem Biol. 2019 Feb 21;26(2):244-254.e4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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