

TAK-041

Chemical Properties

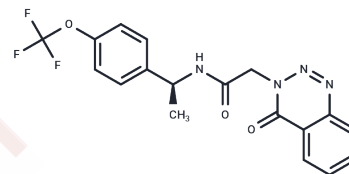
CAS No. : 1929519-13-0

Formula: C₁₈H₁₅F₃N₄O₃

Molecular Weight: 392.33

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	TAK-041 (NBI-1065846) is a potent and selective GPR139 agonist.
Targets(IC50)	GPCR

Solubility Information

Solubility	DMSO: 100 mg/mL (254.89 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (8.41 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5489 mL	12.7444 mL	25.4887 mL
5 mM	0.5098 mL	2.5489 mL	5.0977 mL
10 mM	0.2549 mL	1.2744 mL	2.5489 mL
50 mM	0.051 mL	0.2549 mL	0.5098 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

Reichard HA, et al. Discovery of TAK-041: a Potent and Selective GPR139 Agonist Explored for the Treatment of Negative Symptoms Associated with Schizophrenia [published online ahead of print, 2021 Jul 14]. J Med Chem. 2021;10.1021/acs.jmedchem.1c00820.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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