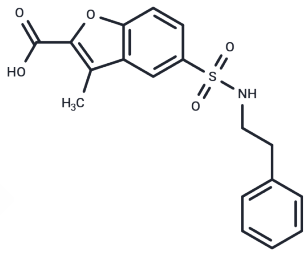
Data Sheet (Cat.No.T83972)

TargetMol

NOX-6-18

Chemical Properties



CAS No. : 898211-21-7

Formula: C18H17NO5S

Molecular Weight: 359.4

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	NOX-6-18 (GPR132-B-160) is a highly potent and selective GPR132 antagonist with insulinotropic activity that modulates macrophage reprogramming in pancreatic islets and reduces weight gain.
Targets(IC50)	Others,GPCR

Solubility Information

Solubility	DMSO: 250 mg/mL (695.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: < 10 mg/mL (27.82 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% (20% SBE-β-CD in Saline): < 10 mg/mL (27.82 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% Corn oil: 10 mg/mL (27.82 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (27.82 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7824 mL	13.9121 mL	27.8242 mL
5 mM	0.5565 mL	2.7824 mL	5.5648 mL
10 mM	0.2782 mL	1.3912 mL	2.7824 mL
50 mM	0.0556 mL	0.2782 mL	0.5565 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 JL,et al. Functional screening and rational design of compounds targeting GPR132 to treat diabetes. Nat Metab. 2023 Oct;5(10):1726-1746.