

TUG-2181

## Chemical Properties

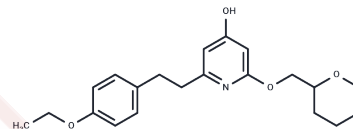
CAS No. : 2653994-24-0

Formula: C<sub>21</sub>H<sub>27</sub>N<sub>3</sub>O<sub>4</sub>

Molecular Weight: 357.44

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	TUG-2181 is a GPR84 antagonist with an IC <sub>50</sub> value of 34 nM. It inhibits the secretion of reactive oxygen species (ROS) and IL-8 induced by GPR84 agonists in human neutrophils, and can be used in the research of inflammation and fibrosis.
Targets(IC <sub>50</sub> )	Reactive Oxygen Species,GPCR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7977 mL	13.9884 mL	27.9767 mL
5 mM	0.5595 mL	2.7977 mL	5.5953 mL
10 mM	0.2798 mL	1.3988 mL	2.7977 mL
50 mM	0.056 mL	0.2798 mL	0.5595 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

Ieremias L, et al. Minimal Structural Variation of GPR84 Full Agonist Causes Functional Switch to Inverse Agonism. J Med Chem. 2025 Apr 4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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