

RJG-2036

## Chemical Properties

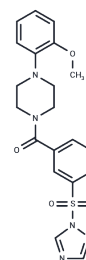
CAS No. : 2851993-73-0

Formula: C<sub>20</sub>H<sub>21</sub>N<sub>5</sub>O<sub>4</sub>S

Molecular Weight: 427.48

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	RJG-2036 is a potent covalent inhibitor of human prostaglandin reductase 2 (PTGR2) with an IC <sub>50</sub> of 100 nM. It effectively inhibits NADPH-dependent reduction reactions, significantly reducing the secretion of inflammatory factors such as TNF- $\alpha$ and the release of various pro-inflammatory eicosanoids in LPS-stimulated THP-1 macrophages. RJG-2036 shows promise for research in inflammatory diseases.
Targets(IC <sub>50</sub> )	Prostaglandin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3393 mL	11.6965 mL	23.3929 mL
5 mM	0.4679 mL	2.3393 mL	4.6786 mL
10 mM	0.2339 mL	1.1696 mL	2.3393 mL
50 mM	0.0468 mL	0.2339 mL	0.4679 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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