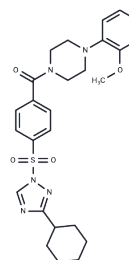


RJG-2051

## Chemical Properties

CAS No. : 2851993-77-4  
 Formula: C<sub>26</sub>H<sub>31</sub>N<sub>5</sub>O<sub>4</sub>S  
 Molecular Weight: 509.62  
 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-2051 is a selective covalent inhibitor of aldo-keto reductase family 1 member C3 (AKR1C3), with an IC <sub>50</sub> value of 13 nM. It interferes with the metabolism of substrates such as androgens, estrogens, and prostaglandins through AKR1C3. RJG-2051 holds potential for cancer research.
Targets(IC <sub>50</sub> )	Reductase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9622 mL	9.8112 mL	19.6225 mL
5 mM	0.3924 mL	1.9622 mL	3.9245 mL
10 mM	0.1962 mL	0.9811 mL	1.9622 mL
50 mM	0.0392 mL	0.1962 mL	0.3924 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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