

A 425619

## Chemical Properties

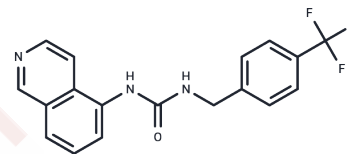
CAS No. : 581809-67-8

Formula: C<sub>18</sub>H<sub>14</sub>F<sub>3</sub>N<sub>3</sub>O

Molecular Weight: 345.32

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	A 425619 (1-(4-(TRIFLUOROMETHYL)BENZYL)-3-(ISOQUINOLIN-5-YL)UREA) is a potent TRPV1 antagonist
Targets(IC50)	Calcium Channel,TRP/TRPV Channel
In vivo	systemic administration of the TRPV1 antagonist, A-425619, reversed the decrease in digging behavior induced by CFA injection, further confirming the role of TRPV1, expressed by knee neurons, in acute inflammatory joint pain.

## Solubility Information

Solubility	DMSO: 34.5 mg/mL (99.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8959 mL	14.4793 mL	28.9586 mL
5 mM	0.5792 mL	2.8959 mL	5.7917 mL
10 mM	0.2896 mL	1.4479 mL	2.8959 mL
50 mM	0.0579 mL	0.2896 mL	0.5792 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

Chakrabarti S , Pattison L A , Singhal K , et al. Acute inflammation sensitizes knee-innervating sensory neurons and decreases mouse digging behavior in a TRPV1-dependent manner[J]. Neuropharmacology, 2018, 143.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481