

TC-I2000

## Chemical Properties

CAS No. : 1159996-20-9

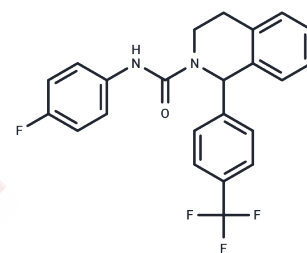
Formula: C<sub>23</sub>H<sub>18</sub>F<sub>4</sub>N<sub>2</sub>O

Molecular Weight: 414.4

Store at low temperature

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	TC-I2000 is an TRPM8 channel blocker. Inhibits icilin-induced TRPM8 channel activation in rTRPM8-expressing CHO cells with IC <sub>50</sub> of 53 nM.
Targets(IC <sub>50</sub> )	TRP/TRPV Channel

## Solubility Information

Solubility	DMSO: 4.15 mg/mL (10.01 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	2.4131 mL	12.0656 mL	24.1313 mL
5 mM	0.4826 mL	2.4131 mL	4.8263 mL
10 mM	0.2413 mL	1.2066 mL	2.4131 mL
50 mM	0.0483 mL	0.2413 mL	0.4826 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

Tamayo N A , Bo Y , Gore V , et al. Fused Piperidines as a Novel Class of Potent and Orally Available Transient Receptor Potential Melastatin Type 8 (TRPM8) Antagonists[J]. Journal of Medicinal Chemistry, 2012, 55(4):1593-1611.

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