

RQ-00311651

## Chemical Properties

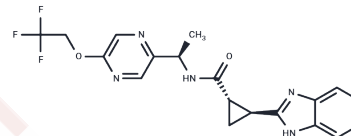
CAS No. : 1257116-00-9

Formula: C<sub>19</sub>H<sub>18</sub>F<sub>3</sub>N<sub>5</sub>O<sub>2</sub>

Molecular Weight: 405.37

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	RQ-00311651 is a novel T-type Ca <sup>2+</sup> channel blocker. RQ-00311651 also inhibited high K-induced Ca signaling in those cells.
Targets(IC50)	Others, Calcium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4669 mL	12.3344 mL	24.6688 mL
5 mM	0.4934 mL	2.4669 mL	4.9338 mL
10 mM	0.2467 mL	1.2334 mL	2.4669 mL
50 mM	0.0493 mL	0.2467 mL	0.4934 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

Sekiguchi F, Kawara Y, Tsubota M, Kawakami E, Ozaki T, Kawaishi Y, Tomita S, Kanaoka D, Yoshida S, Ohkubo T, Kawabata A. Therapeutic potential of RQ-00311651, a novel T-type Ca<sup>2+</sup> channel blocker, in distinct rodent models for neuropathic and visceral pain. Pain. 2016 Aug;157(8):1655-65. doi: 10.1097/j.pain.0000000000000565. PubMed PMID: 27023424.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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