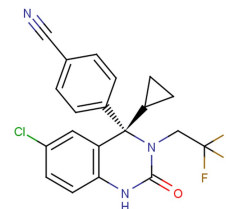


TTA-Q6

Chemical Properties

CAS No.: 910484-28-5
Formula: C₂₀H₁₅ClF₃N₃O
Molecular Weight: 405.8
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	TTA-Q6 is a selective antagonist of T-type Ca ²⁺ channel, used in the neurological disease.
Targets(IC ₅₀)	T-type Ca ²⁺ channel: None
In vitro	In FLIPR depolarized assay and FLIPR hyperpolarized assay, TTA-Q6 is a selective antagonist of T-type Ca ²⁺ channel, with 14 nM and 590 nM.

Solubility Information

Solubility	DMSO: 125 mg/mL (308.03 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.464 mL	12.321 mL	24.643 mL
5 mM	0.493 mL	2.464 mL	4.929 mL
10 mM	0.246 mL	1.232 mL	2.464 mL
50 mM	0.049 mL	0.246 mL	0.493 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Schlegel KA, et al. Discovery and expanded SAR of 4,4-disubstituted quinazolin-2-ones as potent T-type calcium channel antagonists. Bioorg Med Chem Lett. 2010 Sep 1;20(17):5147-52.

Inhibitors · Natural Compounds · Compound Libraries

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