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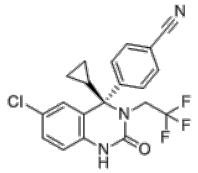
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	TTA-Q6
Cat. No.	:	PC-21849
CAS No.	:	910484-28-5
Molecular Formula	:	$C_{20}H_{15}ClF_3N_3O$
Molecular Weight	:	405.81
Target	:	Calcium Channel
Solubility	:	10 mM in DMSO



Biological Activity

TTA-Q6 is a potent, selective T-type Ca2+ channel antagonist with IC50 of 14 nM and 590 nM in FLIPR depolarized assaay and FLIPR hyperpolarized assay, respectively.
TTA-Q6 is a potent T-type Ca(2+) channel antagonist with minimized PXR activation.
TTA-Q6 suppresses seizure frequency in a rat model of absence epilepsy and shows significant alterations of sleep architecture after oral dosing to rats.

References

Schlegel KA, et al. Bioorg Med Chem Lett. 2010 Sep 1;20(17):5147-52.

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