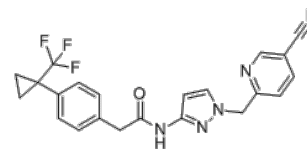


Product Name : ACT 709478
Cat. No. : PC-62008
CAS No. : 1838651-58-3
Molecular Formula : C₂₂H₁₈F₃N₅O
Molecular Weight : 425.415
Target : Calcium Channel
Solubility : 10 mM in DMSO



Biological Activity

Apinocaltamide (ACT 709478) is a potent, selective, orally-bioavailable, brain penetrant **T-type calcium channel** blocker with IC₅₀ of 6.4, 18, and 7.5 nM for Cav3.1, Cav3.2, and Cav3.3 channels respectively.

ACT 709478 displays >100-fold selectivity over Cav1.2 channels.

ACT 709478 shows a significant decrease of the seizure severity in vivo (100 mg/kg, p.o.).

References

Bezençon O, et al. *J Med Chem*. 2017 Nov 8. doi: 10.1021/acs.jmedchem.7b01236.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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