



Product Information

TRP channel inhibitor RQ-00203078, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ471

Size: 10 mg; 25 mg; 50 mg; 100 mg

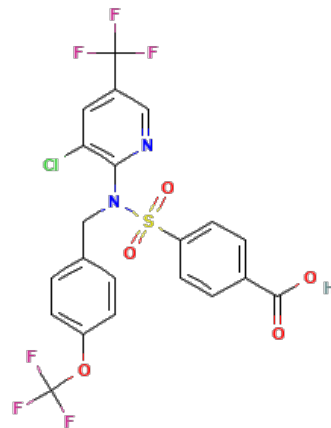
MDL: MFCD29049510

CAS Number: 1254205-52-1

Compound CID: 49783953

Synonym: 1254205-52-1; TRP channel inhibitor; RQ 00203078; RQ00203078

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	RQ-00203078 modulates the function of TRP channels, which are crucial for various physiological processes including sensation and thermoregulation. It targets TRPM8, TRPM8, and TRPV4.
Molecular Weight	554.85
Molecular Formula	C ₂₁ H ₁₃ ClF ₆ N ₂ O ₅ S
Targets	TRPM8: 5.3 nM; TRPM8: 8.3 nM (IC ₅₀ , human TRPM8 channels); TRPV4: 10 μ M
IUPAC Name	4-[[3-Chloro-5-(trifluoromethyl)pyridin-2-yl]-[[4-(trifluoromethoxy)phenyl]methyl]sulfamoyl]benzoic acid
InChI	InChI=1S/C21H13ClF6N2O5S/c22-17-9-14(20(23,24)25)10-29-18(17)30(11-12-1-5-15(6-2-12)35-21(26,27)28)36(33,34)16-7-3-13(4-8-16)19(31)32/h1-10H,11H2,(H,31,32)
InChI Key	IJGQFZYYEHCCIZ-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=CC=C1CN(C2=C(C=C(C=N2)C(F)(F)F)Cl)S(=O)(=O)C3=CC=C(C=C3)C(=O)O)OC(F)(F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	RQ-00203078 is investigated as a TRP channel inhibitor, aiming to understand its role in sensory and pain processing pathways.
Storage	Store at -20°C, and keep desiccated.



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