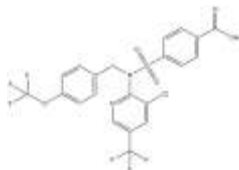


PRODUCT: RQ-00203078**ALTERNATE NAME:** 4-[[[3-Chloro-5-(trifluoromethyl)-2-pyridinyl]][[4-(trifluoromethoxy)phenyl]methyl]amino]sulfonyl]benzoic acid**CATALOG #:** 9636-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₁H₁₃ClF₆N₂O₅S**MOLECULAR WEIGHT:** 554.85**CAS#:** 1254205-52-1**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>40 mg/ml) or EtOH (>40 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** RQ-00203078 is a potent, selective TRPM8 antagonist (IC₅₀ values are 5.3 and 8.3 nM for rat and human channels respectively). Displays >350-fold selectivity for TRPM8 over TRPV4, TRPV1 and TRPA1. RQ-00203078 blocks TRPM8 activity and reduces the invasion potential of oral squamous carcinoma cell lines. RQ-00203078 (RQ) profoundly reduced such agonist-induced cation currents.**REFERENCE:** Okamoto, Y., et al. (2012). *Int. J. Oncol.* **40**, 1431-1440.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Capsaicin (Cat. No. 2521)

Ruthenium Red (Cat. No. 2490)

USAGE:**FOR RESEARCH USE ONLY! Not to be used in humans!**