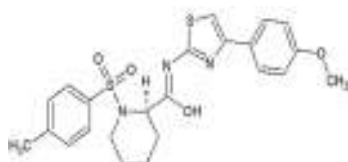


ML-277

ALTERNATE NAME: VU0458298-2
(2R)-N-[4-(4-Methoxyphenyl)-1,3-thiazol-2-yl]-1-(4-methylphenyl)sulfonylpiperidine-2-carboxamide
ML277
CID-53347902

CATALOG #: B2730-1 1 mg
B2730-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₂₅N₃O₄S₂

MOLECULAR WEIGHT: 471.59

CAS NUMBER: 1401242-74-7

APPEARANCE: Crystalline solid

PURITY: ≥98%

SOLUBILITY: DMSO

DESCRIPTION: ML-277 is a potent activator of KCNQ1 (Kv7.1) channels (EC₅₀ = 260nM). It displays >100-fold selectivity versus KCNQ2 and KCNQ4 and no activity against the hERG potassium channel up to 30 μM. KCNQ1 is a voltage-gated potassium channel required for repolarization phase of the cardiac action potential.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

NS-1619 (B1303)
Aconitine (2423)
Veratridine (2422)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*