
Product Data Sheet

Product Name: MRS 1477

Cat. No.: GC50130

Chemical Properties

Cas. No. 212200-21-0

SMILES CCC1C(C(OCC)=O)=C(C2=CC=CC=C2)NC(C)=C1C(SCCOC)=OFormula C₂₁H₂₇NO₄S M.Wt 389.51

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

TRPV1 positive allosteric modulator. Potentiates vanilloid and proton activation of TRPV1 channels. Exhibits analgesic effects in combination with capsaicin in rats. Also prolongs capsaicin-induced hypothermia in mice.

Kaszas et al (2012) Small molecule positive allosteric modulation of TRPV1 activation by vanilloids and acidic pH. J.Pharmacol.Exp.Ther. 340 152 PMID:22005042 |Lebovitz et al (2012) Positive allosteric modulation of TRPV1 as a novel analgesic mechanism. Mol.Pain 8 PMID:22998799 |Roh et al (2008) Structure-activity relationships of 1,4-dihydropyridines that act as enhancers of the vanilloid receptor 1 (TRPV1). Bioorg.Med.Chem. 16 9349 PMID:18809334

Caution: Product has not been fully validated for medical applications. For research use only.

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