

Product Data Sheet

Product Name: GI 530159

Cat. No.: GC50547

Chemical Properties

Cas. No. 69563-88-8

SMILES NC1=CC=C(C=C1)OC2=CC=C(C(C(F)(F)F)(C(F)(F)F)C3=CC=C(C=C3)OC4=CC=C(C=C4)N)C=C2

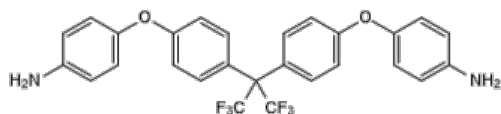
Formula C₂₇H₂₀F₆N₂O₂ M.Wt 518.45

Solubility DMSO : 250 mg/mL (482.21 mM; Need ultrasonic) 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

TREK1 and TREK2 channel activator (EC₅₀ = 0.76 μM in Rb efflux assay in TREK1-expressing CHO cells). Exhibits selectivity for TREK1/2 over TRAAK, TASK3 and a range of other potassium channels. Hyperpolarizes membrane potential of dorsal root ganglion neurons and depresses neuronal activity in vitro.

Loucif et al (2018) GI-530159, a novel, selective, mechanosensitive two-pore-domain potassium (K2P) channel opener, reduces rat dorsal root ganglion neuron excitability. Br.J.Pharmacol. 175 2272 PMID:29150838

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

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