

Product Data Sheet

Product Name: PM 226
Cat. No.: GC50387

Chemical Properties

Cas. No. 1949726-13-9

SMILES CCCCCCC(C)(C1=CC(OC)=C2C3=C(C(C)(OC2=C1)C)C=NO3)C

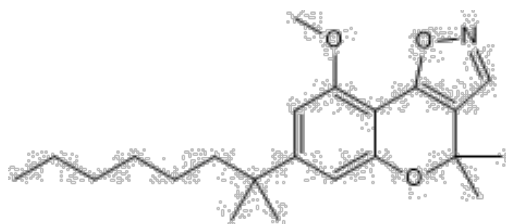
Formula C₂₂H₃₁NO₃ M.Wt 357.49

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

Potent and selective CB2 receptor agonist ($K_i = 12.8$ nM; $EC_{50} = 38.67$ nM). Exhibits negligible affinity for the CB1 receptor ($K_i > 40,000$ nM) and no activity at the GPR55. Suppresses neuroinflammation by reducing microglial activation in a multiple sclerosis mouse model. BBB permeable; anti-inflammatory and neuroprotective.

Navarro et al (2016) Targeting cannabinoid CB2 receptors in the central nervous system. Medicinal chemistry approaches with focus on neurodegenerative disorders. Front. Neurosci. 10 406 PMID:27679556 | Morales et al (2016) Chromenopyrazole, a versatile cannabinoid scaffold with in vivo activity in a model of multiple sclerosis. J. Med. Chem. 59 6753 PMID:27309150 | Gómez-Cañas et al (2016) Biological characterization of PM226, a chromenoisoxazole, as a selective CB2 receptor agonist with neuroprotective profile. Pharmacol. Res. 110 205 PMID:27013280

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

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