
Product Data Sheet

Product Name: WAY 181187 oxalate

Cat. No.: GC50213

Chemical Properties

Cas. No. 1883548-85-3

SMILES NCCCC2=CN(S(C3=C(Cl)N=C4N3C=CS4)(=O)=O)C1=CC=CC=C12.O=C(O)C(O)=OFormula C15H13ClN4O2S2.C2H2O4 M.Wt 470.91

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**

High affinity and selective 5-HT₆ agonist (K_i = 2.2 nM). Displays 60-fold selectivity over other 5-HT and monoamine receptors. Increases firing rate of 5-HT neurons. Modifies sleep and wakefulness profiles following direct injections into the dorsal raphe nucleus, in vivo. Orally bioavailable.

Brouard et al (2015) Pharmacological evidence for 5-HT₆ receptor modulation of 5-HT neuron firing in Vivo. ACS Chem. Neurosci. 6 1241 PMID:25837696 | Cole et al (2007) Discovery of N1-(6-chloroimidazo[2,1-b][1,3]thiazole-5-sulfonyl)tryptamine as a potent, selective, and orally active 5-HT₆ receptor agonist. J. Med. Chem. 50 5535 PMID:17948978

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

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