
Product Data Sheet

Product Name: FFN 102 mesylate

Cat. No.: GC50120

Chemical Properties

Cas. No. 1883548-92-2

SMILES C1C=C(O)C=C(OC(C=C2CCN)=O)C2=C1.CS(=O)(O)=O

Formula $C_{11}H_{11}N_2ClO_3 \cdot CH_3SO_3H$ M.Wt 335.76

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

pH responsive fluorescent false neurotransmitter (FFN). Selective dopamine transporter (DAT) and VMAT2 substrate. Exhibits no significant binding to a panel of 38 CNS receptors, including dopamine and serotonin receptors. Inhibits dopamine uptake. Excitation maxima are 340 nm at pH 5 and 370 nm at pH 7.5. Emission maximum is 435 nm at both pH 5 and 7.5.

Rodriguez et al (2013) Fluorescent DA tracer resolves individual DArgic synapses and their activity in the brain. Proc.Natl.Acad.Sci.U.S.A. 110 870 PMID:23277566 |Sames et al (2013) Visualizing neurotransmitter secretion at individual synapses. ACS Chem.Neurosci. 4 648 PMID:23862751 |Lee et al (2010) Development of pH-responsive fluorescent false neurotransmitters. J.Am.Chem.Soc. 132 8828 PMID:20540519

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA