
Product Data Sheet

Product Name: Masupirdine mesylate

Cat. No.: GC38509

Chemical Properties

Cas. No. 1791396-46-7

SMILES CS(=O)(O)=O.O=S(N1C2=CC=C(OC)C=C2C(CN3CCN(C)CC3)=C1)(C(C=CC=C4)=C4Br)=O.CS(=O)(O)=OFormula C₂₃H₃₂BrN₃O₉S₃ M.Wt 670.61

Solubility DMSO : 25 mg/mL (37.28 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**

Masupirdine mesylate (SUVN-502 mesylate) is a potent, selective, orally bioavailable, and brain penetrant 5-HT₆ receptor antagonist (K_i of 2.04 nM for human 5-HT₆ receptor). Masupirdine mesylate (SUVN-502 mesylate) shows high selectivity over 5-HT_{2A} receptor and other 100 target sites, and has potential for treatment of Alzheimer's disease[1].

[1]. Nirogi R, et al. Discovery and Development of 1-[(2-Bromophenyl)sulfonyl]-5-methoxy-3-[(4-methyl-1-piperazinyl)methyl]-1H-indole Dimesylate Monohydrate (SUVN-502): A Novel, Potent, Selective and Orally Active Serotonin 6 (5-HT₆) Receptor Antagonist for Potential Treatment of Alzheimer's Disease. J Med Chem. 2017 Mar 9;60(5):1843-1859.

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

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