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**Product Data Sheet**

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Product Name: 5-HT2 antagonist 1

Cat. No.: GC32655

**Chemical Properties**

Cas. No. 191592-09-3

SMILES O=C1N(CCCN2CCN(C3=CC=C(F)C=C3)CC2)CCC(O)C4=C1C=CN4CFormula  $C_{22}H_{29}FN_4O_2$  M.Wt 400.49

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**

5-HT2 antagonist 1 is a potent antagonist of 5-HT2 receptor, with weak  $\alpha_1$  adrenoceptor blocking activity.

5-HT2 antagonist 1 shows 45%, 88%, 93% inhibition of 10  $\mu$ M serotonin-induced contraction at 10 nM, 100 nM, 1000 nM, respectively, in guinea pig mesenteric artery. 5-HT2 antagonist 1 causes 1% and 10% inhibition of 10  $\mu$ M norepinephrine-induced contraction at 10 and 100 nM, respectively, in guinea pig aorta[1].

[1]. Mizuno A, et al. Synthesis and serotonin 2 (5-HT2) receptor antagonist activity of 5-aminoalkyl-substituted pyrrolo[3,2-c]azepines and related compounds. Chem Pharm Bull (Tokyo). 2000 May;48(5):623-35.

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

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