
Product Data Sheet

Product Name: RS 102221 hydrochloride

Cat. No.: GC50007

Chemical Properties

Cas. No. 187397-18-8

SMILES Cl.COC1=CC(OC)=C(NS(=O)(=O)C2=CC=C(C=C2)C(F)(F)C=C1C(=O)CCCCN1CCC2(CC1)NC(=O)NC2=O

Formula $C_{27}H_{31}F_3N_4O_7S.HCl$ M.Wt 649.08

Solubility DMSO: 100 mM 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 5-HT_{2C} antagonist (pK_i = 8.7). Displays ~ 100-fold selectivity over the 5-HT_{2A} and 5-HT_{2B} subtypes and is > 100-fold selective over other 5-HT receptors, α- and β-adrenergic and muscarinic ACh receptors.

Bonhaus et al (1997) RS-102221: a novel high affinity and selective 5-HT_{2C} receptor antagonist. *Neuropharmacology* 36 621 PMID:9225287 | Bonhaus et al (1998) Absorption and brain penetration of a high affinity, highly selective 5-HT_{2C} receptor antagonist, RS-102221. *Ann.N.Y.Acad.Sci.* 861 269 PMID:9928284 | Weinhardt et al (1996) Some benzenesulphonamido-substituted valerophenones that are selective antagonists for the 5-HT_{2C} receptor. *Bioorg.Med.Chem.Lett.* 6 2687

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

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