
Product Data Sheet

Product Name: Ro 1138452 hydrochloride

Cat. No.: GC50055

Chemical Properties

Cas. No.

SMILES CC(C)OC1=CC=C(CC2=CC=C(NC3=NCCN3)C=C2)C=C1.ClFormula C19H23N3O.HCl M.Wt 345.87

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**

Selective prostacyclin IP receptor antagonist (pKi = 8.3). Exhibits no affinity at other prostanoid receptors (EP1-4, FP and TP) in a radioligand binding assay. Demonstrates analgesic activity in rats. Orally bioavailable.

Clark et al (2004) Discovery and SAR development of 2-(phenylamino) imidazolines as prostacyclin receptor antagonists. *Bioorg.Med.Chem.Lett.* 14 1053 PMID:15013022

Jones et al (2006) Investigation of the prostacyclin (IP) receptor antagonist RO1138452 on isolated blood vessel and platelet preparations. *Br.J.Pharmacol.* 149 110

PMID:16880763 | Bley et al (2006) RO1138452 and RO3244794: characterization of structurally distinct, potent and selective IP (prostacyclin) receptor antagonists.

Br.J.Pharmacol. 147 335 PMID:16331286

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

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