
Product Data Sheet

Product Name: Fenoldopam hydrochloride

Cat. No.: GC50018

Chemical Properties

Cas. No. 181217-39-0

SMILES Cl.Oc1=cc=C(c=c1)c1cnccc2=C(Cl)c(O)=C(O)c=C12Formula $C_{16}H_{16}ClNO_3.HCl$ M.Wt 342.22

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 D1-like dopamine receptor partial agonist ($EC_{50} = 57$ nM). Vasodilator in vivo and does not readily cross the blood-brain barrier. Also α_2 -adrenoceptor antagonist in vitro ($K_i = 15 - 25$ nM).

Hahn et al (1982) Characterization of the peripheral and central effects of SK&F 82526, a novel DA receptor agonist. J.Pharmacol.Exp.Ther. 223 305 PMID:6127401 |Nichols et al (1990) The pharmacology of fenol. Am.J.Hypertens. 3 116S PMID:1974439 |Sibley et al (1982) Interactions of novel DArgic ligands with D-1 and D-2 DA receptors. Life Sci. 31 637 PMID:6127585

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

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