

Product Name : Metoclopramide hydrochloride hydrate

Synonyms : AHR-3070-C, Maxolon, Metoclopramide HCl,
Metoclopramide monohydrochloride monohydrate,
Metozolv, Reglan

Cat No. : M14937

CAS Number : 54143-57-6

Molecular Formula : C₁₄H₂₅Cl₂N₃O₃

Formula Weight : 354.27

Chemical Name : Benzamide, 4-amino-5-chloro-N-[2-(diethylamino)ethyl]-2-methoxy-, hydrochloride, hydrate (1:1:1)

Description : A potent dopamine D2 receptor antagonist with K_i of 28 nM; also is a mixed 5-HT₃ receptor antagonist/5-HT₄ receptor agonist; commonly used to treat nausea and vomiting caused by chemotherapy. Chemotherapeutic Agents Phase 2 Discontinued

Pathway : GPCR/G Protein

Target : Dopamine Receptor

Receptor : Dopamine Receptor

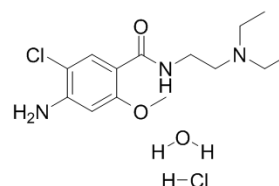
Solubility : 10 mM in DMSO

SMILES : O.Cl.CCN(CC)CCNC(=O)c1cc(Cl)c(N)cc1OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :



1. Matsui A, et al. J Pharmacol Exp Ther. 1998 Nov;287(2):725-32. 2. Tonini M, et al. Pharmacol Res. 1995 May;31(5):257-60. 3. Bateman DN, et al. Br J Clin Pharmacol. 1978 Nov;6(5):401-7.