

Product Name : Metoclopramide

Synonyms : Metoclopramide, Afipran, Maxolon, Reglan, Maxeran, Cerucal

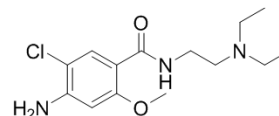
Cat No. : M14253

CAS Number : 364-62-5

Molecular Formula : C₁₄H₂₂ClN₃O₂

Formula Weight : 299.80

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



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 D₂

Solubility : DMSO: ≥ 41 mg/mL

SMILES : O=C(NCCN(CC)CC)C1=CC(Cl)=C(N)C=C1OC

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.