Inhibitors, Agonists, Screening Libraries

Data Sheet

Product Name: Perphenazine
Cat. No.: HY-A0077
CAS No.: 58-39-9
Molecular Formula: C₂₁H₂₆ClN₃OS
Molecular Weight: 403.97
Target: 5–HT Receptor; Adrenergic Receptor; Dopamine Receptor; Histamine Receptor
Pathway: GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Solubility: DMSO: ≥ 4.1 mg/mL

BIOLOGICAL ACTIVITY:
Perphenazine is a typical antipsychotic drug, inhibits 5–HT2A receptor (5–HT2A), Alpha–1A adrenergic receptor (α1A), Dopamine receptor D2/D3, D2L receptor, and Histamine H1 receptor (H1) with Ki of 5.6, 10, 0.765/0.13, 3.4, and 8 nM. IC50 value: 5.6 nM (Ki, 5–HT2A) 10 nM (Ki,α1A), 0.765/0.13 nM (Ki,D2/D3), 3.4 nM (Ki,D2L receptor), 8 nM (Ki,H1)
Target: 5–HT2A,α1A,D2/D3, D2L receptor,H1

References:

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: 609-228-6898  Fax: 609-228-5909  E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA