



Product Information

Astemizole

Cat. No.: X23-12-YM850

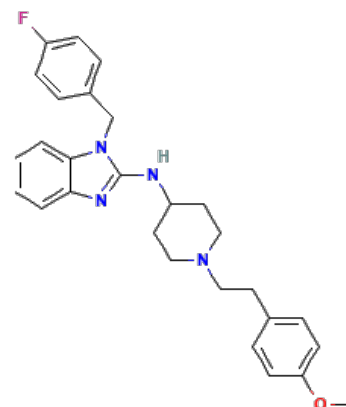
Size: 100 mg; 200 mg; 500 mg; 1 g

CAS Number: 68844-77-9

Compound CID: 2247

Synonym: 68844-77-9; Astemisan; Hismanal; Histamen; Paralergim

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Astemizole, soluble in DMSO and ethanol and insoluble in water, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
Molecular Weight	458.57
Molecular Formula	C ₂₈ H ₃₁ FN ₄ O
IUPAC Name	1-[(4-Fluorophenyl)methyl]-N-[1-[2-(4-methoxyphenyl)ethyl]piperidin-4-yl]benzimidazol-2-amine
InChI	InChI=1S/C28H31FN4O/c1-34-25-12-8-21(9-13-25)14-17-32-18-15-24(16-19-32)30-28-31-26-4-2-3-5-27(26)33(28)20-22-6-10-23(29)11-7-22/h2-13,24H,14-20H2,1H3,(H,30,31)
InChI Key	GXDALQBWZGODGZ-UHFFFAOYSA-N
Canonical SMILES	COC1=CC=C(C=C1)CCN2CCC(CC2)NC3=NC4=CC=CC=C4N3CC5=CC=C(C=C5)F
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 91 mg/mL (198.44 mM); Water: insoluble; Ethanol: 9 mg/mL
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Astemizole can be studied for its effect on blocking the action of histamine, a substance in the body that causes allergic symptoms like itching, sneezing, and runny nose.
Storage	Store at -20°C, and keep desiccated.