

Product Name : CDP-840

Synonyms : CDP840;L-765527

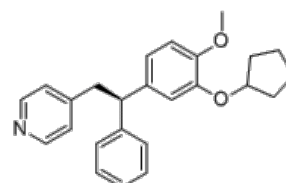
Cat No. : M12403

CAS Number : 162542-90-7

Molecular Formula : C₂₅H₂₇NO₂

Formula Weight : 373.50

Chemical Name : 4-[(2R)-2-[3-(Cyclopentylloxy)-4-methoxyphenyl]-2-phenylethyl]-pyridine



Description : CDP-840 (CDP840;L-765527) is a potent and selective PDE4 inhibitor with IC₅₀ of 4-45 nM for PDE 4 extracted from tissues or recombinant PDE 4 isoforms expressed in yeast; shows no effect for PDE-1, 2, 3, 5, and 7 (IC₅₀>100 uM), exhibits no significant selectivity in inhibiting human recombinant isoenzymes PDE-4A, B, C or D and is equally active against the isoenzymes lacking UCR1 (PDE-4B2 and PDE-4D2); causes a dose-dependent reduction of IL-5-induced pleural eosinophilia in rats (ED₅₀=0.03 mg/kg); prevents antigen-induced eosinophilia and bronchoconstriction; orally active. Asthma Phase 2 Discontinued

Pathway : Angiogenesis

Target : PDE

Receptor : PDE

Solubility : —

SMILES : COC1=CC=C(C([C@@H](C2=CC=CC=C2)CC3=CC=NC=C3)C=C1OC4CCCC4.[H])Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Hughes B, et al. Br J Pharmacol. 1996 Jul;118(5):1183-91. | 2. Holbrook M, et al. Br J Pharmacol. 1996 Jul;118(5):1192-200. | 3. Perry MJ, et al. Cell Biochem Biophys. 1998;29(1-2):113-32.