

Product Name : SB 239063

Synonyms : SB-239063;SB239063

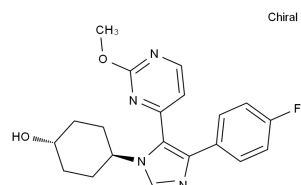
Cat No. : M13031

CAS Number : 193551-21-2

Molecular Formula : C₂₀H₂₁FN₄O₂

Formula Weight : 368.40

Chemical Name : Cyclohexanol, 4-[4-(4-fluorophenyl)-5-(2-methoxy-4-pyrimidinyl)-1H-imidazol-1-yl]-, trans-



Description : A potent, selective, orally available p38 MAPK inhibitor with IC₅₀ of 44 nM for both p38α and p38β; shows no activity (>100 μM) against the γ- and δ-kinase isoforms, and a panel of protein kinase; inhibits IL-1 and TNF-α production in LPS-stimulated human PBMCs (IC₅₀= 0.12 and 0.35 μM); reduces inflammatory cytokine production, airways eosinophil infiltration and persistence in vivo.

Pathway : MAPK/ERK Signaling

Target : p38 MAPK

Receptor : p38α;p38β

Solubility : 10 mM in DMSO

SMILES : COc1nc(C2=NC(OC)=NC=C2)nc3c(C4=CC=C(F)C=C4)n=C3CC1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Underwood DC, et al. J Pharmacol Exp Ther. 2000 Apr;293(1):281-8. | 2. Underwood DC, et al. Am J Physiol Lung Cell Mol Physiol. 2000 Nov;279(5):L895-902. | 3. Barone FC, et al. J Pharmacol Exp Ther. 2001 Feb;296(2):312-21. | 4. Legos JJ, et al. Brain Res. 2001 Feb 16;892(1):70-7.