

Product Information

p38-MAPK inhibitor SB 239063, Purity ≥98%

Cat. No.: X23-10-ZQ906

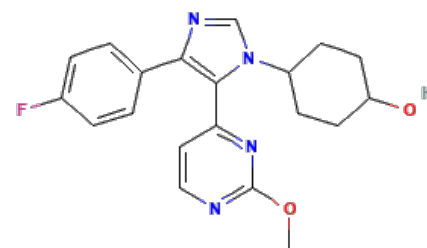
Size: 2 mg; 5 mg; 10 mg; 25 mg

MDL: MFCD03792786

CAS Number: 193551-21-2

Compound CID: 5166

Synonym: 193551-21-2; SB 239063; SB-239063; SB239063; Cyclohexanol,
4-(4-(4-Fluorophenyl)-5-(2-methoxy-4-pyrimidinyl)-1H-imidazol-1-yl)-, trans-; Trans-1-(
4-hydroxycyclohexyl)-4-(4-fluorophenyl)-5-(2-methoxypyridimidin-4-yl)imidazole;
p38-MAPK inhibitor



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

Product Information

Description	SB 239063, soluble in DMSO and warmed ethanol and insoluble in water, targets the ATP-binding site of the kinase, thereby preventing phosphorylation of downstream substrates. It targets p38α and p38β.
Molecular Weight	368.4
Molecular Formula	C ₂₀ H ₂₁ FN ₄ O ₂
Targets	p38α: 44 nM; p38β: 44 nM
IUPAC Name	4-[4-(4-Fluorophenyl)-5-(2-methoxypyrimidin-4-yl)imidazol-1-yl]cyclohexan-1-ol
InChI	InChI=1S/C20H21FN4O2/c1-27-20-22-11-10-17(24-20)19-18(13-2-4-14(21)5-3-13)23-12-25(19)15-6-8-16(26)9-7-15/h2-5,10-12,15-16,26H,6-9H2,1H3
InChI Key	ZQUSFAUAYSEREK-UHFFFAOYSA-N
Canonical SMILES	COC1=NC=CC(=N1)C2=C(N=CN2C3CCC(CC3)O)C4=CC=C(C=C4)F
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 59 mg/mL (160.15 mM); Water: Insoluble; Warmed ethanol: 7 mg/mL (19 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	SB 239063 is utilized to study the inhibition of the p38 MAP kinase pathway with a focus on



inflammation and cellular stress response.

Storage

Store at -20°C.
