

Product Information

p38-MAPK inhibitor ML-3043, Purity ≥98%

Cat. No.: X23-10-ZQ908

Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 549505-65-9

Compound CID: 6419739

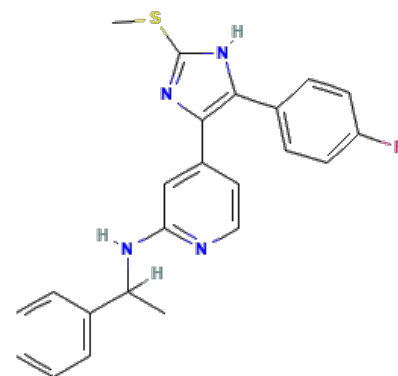
Synonym: ML3403; p38 MAP Kinase Inhibitor III; 549505-65-9; ML-3403; ML 3403;

4-(4-(4-Fluorophenyl)-2-(methylthio)-1H-imidazol-5-yl)-N

-(1-phenylethyl)pyridin-2-amine;

4-[5-(4-Fluorophenyl)-2-methylsulfanyl-1H-imidazol-4-yl]-N

-(1-phenylethyl)pyridin-2-amine; p38-MAPK inhibitor



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

Product Information

Description	ML-3043 targets the ATP-binding site of the kinase, thereby preventing phosphorylation of downstream substrates.
Molecular Weight	404.5
Molecular Formula	C ₂₃ H ₂₁ FN ₄ S
IUPAC Name	4-[5-(4-Fluorophenyl)-2-methylsulfanyl-1H-imidazol-4-yl]-N-(1-phenylethyl)pyridin-2-amine
InChI	InChI=1S/C23H21FN4S/c1-15(16-6-4-3-5-7-16)26-20-14-18(12-13-25-20)22-21(27-23(28-22)29-2)17-8-10-19(24)11-9-17/h3-15H,1-2H3,(H,25,26)(H,27,28)
InChI Key	VXPWQNBKEIVYIS-UHFFFAOYSA-N
Canonical SMILES	CC(C1=CC=CC=C1)NC2=NC=CC(=C2)C3=C(NC(=N3)SC)C4=CC=C(C=C4)F
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	ML-3043 is used in studies evaluating the selective inhibition of p38α MAPK and its potential therapeutic applications in inflammatory conditions.
Storage	Store at -20°C.