

Product Information

p38-MAPK inhibitor TA-02, Purity ≥98%

Cat. No.: X23-10-ZQ915

Size: 1 mg; 5 mg; 10 mg; 50 mg

MDL: MFCD29924749

CAS Number: 1784751-19-4

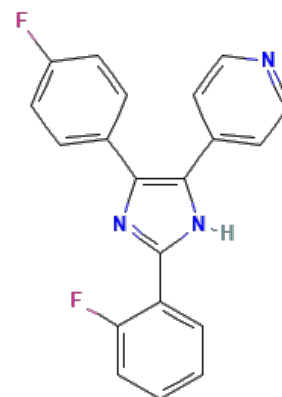
Compound CID: 91691130

Synonym: TA-02; 1784751-19-4; TA 02; TA02;

4-[2-(2-Fluorophenyl)-4-(4-fluorophenyl)-1*H*-imidazol-5-yl]pyridine;

4-(2-(2-Fluorophenyl)-4-(4-fluorophenyl)-1*H*-imidazol-5-yl)pyridine; p38-MAPK

inhibitor



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

Product Information

Description	TA-02, soluble in DMSO and ethanol and insoluble in water, targets the ATP-binding site of the kinase, thereby preventing phosphorylation of downstream substrates.
Molecular Weight	333.33
Molecular Formula	C ₂₀ H ₁₃ F ₂ N ₃
IUPAC Name	4-[2-(2-Fluorophenyl)-4-(4-fluorophenyl)-1 <i>H</i> -imidazol-5-yl]pyridine
InChI	InChI=1S/C20H13F2N3/c21-15-7-5-13(6-8-15)18-19(14-9-11-23-12-10-14)25-20(24-18)16-3-1-2-4-17(16)22/h1-12H,(H,24,25)
InChI Key	QIFJOFNVIVQRNJ-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C(=C1)C2=NC(=C(N2)C3=CC=NC=C3)C4=CC=C(C(=C4)F)F
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 66 mg/mL (198 mM); Water: Insoluble; Ethanol: 3 mg/mL (9 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	TA-02 is applied in research examining its role as a MAP kinase inhibitor, particularly for its effects on neuroinflammatory pathways.
Storage	Store at -20°C.



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