

**SB-203580****p38 MAPK(p38 MAP kinase) Inhibitor****E1B1863**

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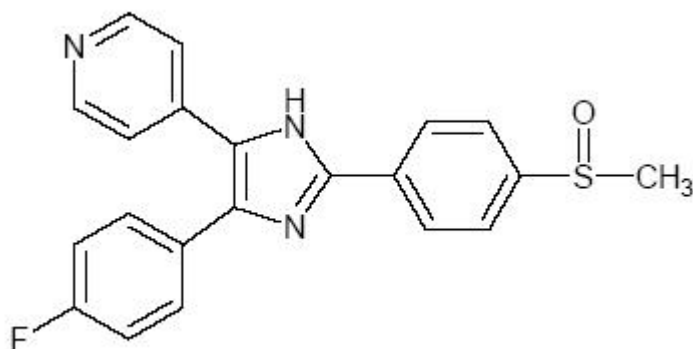
SB-203580

4-(4-Fluorophenyl)-2-(4-methylsulfinylphenyl)-5-(4-pyridyl)1H-imidazole

CATALOG NO.: E1B1863

Package: 1mg (20mg/ml in DMSO, 50ul)

STRUCTURE:



PHYSICAL APPEARANCE: White solid

MOLECULAR FORMULA: C₂₁H₁₆FN₃OS

MOLECULAR WEIGHT: 377.4

PURITY: 98% (TLC)

STORAGE: Store solutions at -20°C for up to 1 year.

APPLICATION NOTES: Selective inhibitor of p38 Mitogen activated protein (MAP) kinase. Inhibition is competitive with ATP (K_i = 21 nM). Inhibits p38 MAPK stimulation of MAPKAPK2 i (IC₅₀ = 70 nM).

Non-specific effects include inhibition of COX-1 and -II.

REFERENCES:

1. A.Cuenda *et al.* *FEBS Lett.* 1985 **364** 229
2. P.R.Young *et al.* *J.Biol.Chem.* 1997 **272** 12116
3. A.Clerk *et al.* *FEBS Lett.* 1998 **426** 93
4. A.G.Borsch-Haubold *et al.* *J. Biol. Chem.* 1998 **273** 28766

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.

For Research Use Only