



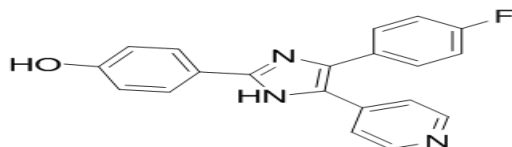
SB 202190 (CAS: 152121-30-7)

Catalog #: EBC51002

Biological Activity

Synonym(s)	SB-202190, SB202190, FHPI, 4-[4-(4-Fluorophenyl)-5-(4-pyridinyl)-1H-imidazol-2-yl]phenol
Chemical Name	4-(4-Fluorophenyl)-2-(4-hydroxyphenyl)-5-(4-pyridyl)-1H-imidazole
Application	SB 202190 is an inhibitor of the isoforms p38 α and p38 β
CAS Number	152121-30-7
Purity	$\geq 98\%$
Molecular Weight	331.34
Molecular Formula	C ₂₀ H ₁₄ FN ₃ O
SMILES	FC1=CC=C(C2=C(C3=CC=NC=C3)NC(C4=CC=C(O)C=C4)=N2)C=C1
Target & IC50	p38 α : IC50 = 14.3 nM (human); p38 MAP kinase: IC50 = 30 nM; p38 β : IC50 = 100 nM Toxoplasma gondii: IC50 = 1 μ M
Shipping	Gel Pack
Storage	Store at -20° C

Molecular Structure



Solubility

DMSO: 33.1 mg/mL (100 mM)

PS: < 1 mg/ml refers to the product insoluble

Product Description

SB 202190 is a selective and potent p38 MAP kinases inhibitor, binding to its ATP pocket. It has negligible inhibiting properties on other MAP kinases such as ERKs and JNKs. SB 202190 is reported to be used to induce cardiomyocyte differentiation from human embryonic stem cells and increase neural stem cell self-renewal.

For Reserch Use Only. Not For Use In Diagnostic Procedures