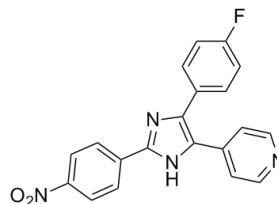


Product Name	: PD 169316
Synonyms	: PD169316;PD-169316
Cat No.	: M12125
CAS Number	: 152121-53-4
Molecular Formula	: C ₂₀ H ₁₃ FN ₄ O ₂
Formula Weight	: 360.34
Chemical Name	: Pyridine, 4-[4-(4-fluorophenyl)-2-(4-nitrophenyl)-1H-imidazol-5-yl]-
Description	: A potent, selective p38 MAPK inhibitor with IC ₅₀ of 89 nM; displays >100-fold selectivity over ERK, PKA, PKCα; prevent p38 phosphorylation while promotes the phosphorylation of the pro-survival SAPK/JNK and ERK.
Pathway	: MAPK/ERK Signaling
Target	: p38 MAPK
Receptor	: p38
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=[N+](C1=CC=C(C2=NC(C3=CC=NC=C3)=C(C4=CC=C(F)C=C4)N2)C=C1)[O-]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Gallagher TF, et al. Bioorg Med Chem. 1997 Jan;5(1):49-64. | 2. Krishnamoorthy M, et al. J Biochem. 2009 Feb;145(2):177-84. | 3. Kozawa O, et al. Cell Signal. 2000 Jul;12(7):447-50.