

Product Name : TA-01

Synonyms : TA01;TA 01

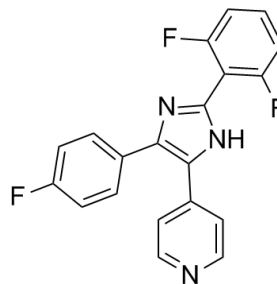
Cat No. : M12689

CAS Number : 1784751-18-3

Molecular Formula : C₂₀H₁₂F₃N₃

Formula Weight : 351.32

Chemical Name : Pyridine, 4-[2-(2,6-difluorophenyl)-4-(4-fluorophenyl)-1H-imidazol-5-yl]-



Description : A potent inhibitor of Casein Kinase CK1ε, CK1δ and p38α with IC₅₀ of 6.4, 6.8 and 6.7 nM, respectively; inhibits the phosphorylation of proteins downstream of p38α MAPK such as MAPKAPK2 and HSP27 during cardiogenesis, and increases ATF-2 and MEF2C during cardiac differentiation.

Pathway : Metabolic Enzyme/Protease

Target : Casein Kinase

Receptor : CK1δ;CK1; p38MAPkinase

Solubility : 10 mM in DMSO

SMILES : FC1=CC=CC=C1C2=C(C3=CC=NC=C3)NC(C4=C(F)C=CC=C4F)=N2

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Laco F, et al. J Mol Cell Cardiol. 2015 Mar;80:56-70.