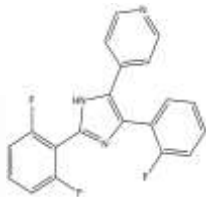


PRODUCT: TA-01**ALTERNATE NAME:** 4-(2-(2,6-Difluorophenyl)-4-(fluorophenyl)-1H-imidazol-5-yl)pyridine**CATALOG #:** B1214-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₁₂F₃N₃**MOLECULAR WEIGHT:** 351.32**CAS NUMBER:** 1784751-18-3**APPEARANCE:** Beige Solid**SOLUBILITY:** DMSO (>5 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** TA-01 is a potential inhibitor of Casein kinase ε (CK1ε), casein kinase 1δ (CK1δ) and mitogen activated protein kinase (MAPK) p38α with IC₅₀ of 6.4, 6.8 and 6.7 nM, respectively. It shows complete inhibition of cardiogenesis at 5 μM showing reduced expression of mesoderm markers and the pre-cardiac marker Isl-1.**REFERENCES:** Laco F. *et al.* (2015). *J Mol. Cell Cardiol.* **80**, 56-70**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**TA-01 (**B1214**)TA-02 (**B1215**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**