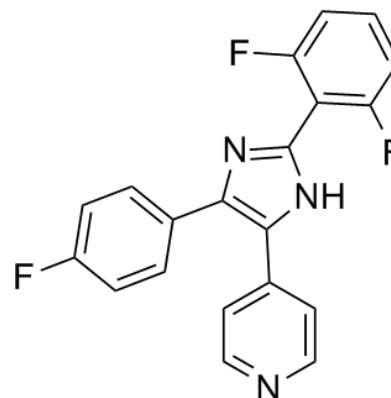


**Product Name** : TA-01  
**Cat. No.** : PC-42058  
**CAS No.** : 1784751-18-3  
**Molecular Formula** : C<sub>20</sub>H<sub>12</sub>F<sub>3</sub>N<sub>3</sub>  
**Molecular Weight** : 351.3246  
**Target** : Casein Kinase  
**Solubility** : 10 mM in DMSO



## Biological Activity

TA-01 is a potent inhibitor of Casein Kinase **CK1ε**, **CK1δ** and **p38α** with IC<sub>50</sub> of 6.4, 6.8 and 6.7 nM, respectively. TA-01 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.

## References

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

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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