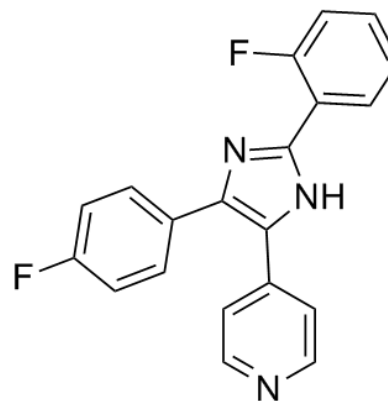


**Product Name** : TA-02  
**Cat. No.** : PC-42059  
**CAS No.** : 1784751-19-4  
**Molecular Formula** : C<sub>20</sub>H<sub>13</sub>F<sub>2</sub>N<sub>3</sub>  
**Molecular Weight** : 333.3341  
**Target** : p38 MAPK  
**Solubility** : 10 mM in DMSO



## Biological Activity

A potent p38 MAPK inhibitor with IC<sub>50</sub> of 20 nM; inhibits the phosphorylation of proteins downstream of p38 $\alpha$  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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