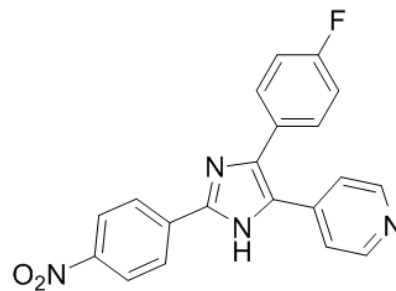


**Product Name** : PD 169316  
**Cat. No.** : PC-42662  
**CAS No.** : 152121-53-4  
**Molecular Formula** : C<sub>20</sub>H<sub>13</sub>FN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 360.3412  
**Target** : p38 MAPK  
**Solubility** : 10 mM in DMSO



## Biological Activity

A potent, selective p38 MAPK inhibitor with IC<sub>50</sub> of 89 nM; displays >100-fold selectivity over ERK, PKA, PKC $\alpha$ ; prevent p38 phosphorylation while promotes the phosphorylation of the pro-survival SAPK/JNK and ERK;

## References

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

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

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