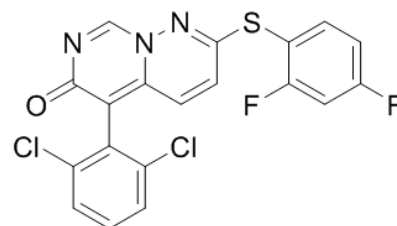


**Product Name** : VX-745  
**Cat. No.** : PC-42526  
**CAS No.** : 209410-46-8  
**Molecular Formula** : C<sub>19</sub>H<sub>9</sub>Cl<sub>2</sub>F<sub>2</sub>N<sub>3</sub>OS  
**Molecular Weight** : 436.2621  
**Target** : p38 MAPK  
**Solubility** : DMSO: 13.08 mg/mL (Need ultrasonic)



## Biological Activity

Neflamapimod (VX-745) is a potent and selective **p38 $\alpha$**  kinase inhibitor with IC<sub>50</sub> of 9 nM.

Neflamapimod (VX-745) shows 20-fold selectivity for p38 $\alpha$  over p38 $\beta$  (K<sub>i</sub>=220 nM) and no significant inhibition for MAP kinases (with the exception of MKK6).

Neflamapimod (VX-745) exhibits inhibition of PBMC IL-1 $\beta$  and TNF $\alpha$  IC<sub>50</sub> of 45 and 51 nM, respectively.

Neflamapimod (VX-745) possesses favorable PK profile, and demonstrates good in vivo activity in models of inflammation.

## References

Duffy JP, et al. *ACS Med Chem Lett.* 2011 Jul 28;2(10):758-63.

McGuire VA, et al. *Mol Cell Biol.* 2013 Nov;33(21):4152-65.

Alam JJ. *J Alzheimers Dis.* 2015;48(1):219-27.

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

E-mail: tech@probechem.com