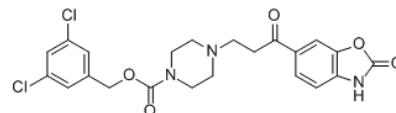


**Product Name** : PF-8380  
**Cat. No.** : PC-43508  
**CAS No.** : 1144035-53-9  
**Molecular Formula** : C<sub>22</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>5</sub>  
**Molecular Weight** : 478.33  
**Target** : Autotaxin  
**Solubility** : 10 mM in DMSO



## Biological Activity

PF-8380 is a potent, specific, orally active **Autotaxin** inhibitor with IC<sub>50</sub> of 2.8 and 101 nM in enzyme assay and in human whole blood assay, respectively.

PF-8380 produces >95% reduction in both plasma and air pouch lysophosphatidic acid (LPA) within 3 h by dosed orally at 30 mg/kg in rat air pouch model.

PF-8380 reduces inflammatory hyperalgesia in vivo.

PF-8380 also enhances the radiosensitivity of human and murine glioblastoma cell lines.

## References

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St-Cœur PD, et al. *Arch Pharm (Weinheim)*. 2013 Feb;346(2):91-7.

Navab M, et al. *J Lipid Res*. 2015 Apr;56(4):871-87.

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

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