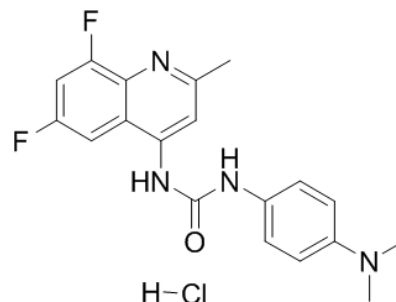


**Product Name** : SB-408124 hydrochloride  
**Cat. No.** : PC-45972  
**CAS No.** : 1431697-90-3  
**Molecular Formula** : C<sub>19</sub>H<sub>19</sub>ClF<sub>2</sub>N<sub>4</sub>O  
**Molecular Weight** : 392.8302  
**Target** : Orexin Receptor  
**Solubility** : 10 mM in DMSO



### Biological Activity

A potent, selective OX1 receptor antagonist with K<sub>i</sub> of 57 nM (whole cell assay), and 27 nM (cell membrane-based SPA assay); displays 50-fold selectivity over OX2 receptor; prevents the stimulatory effect of Olanzapine on endogenous glucose production.

### References

- Langmead CJ, et al. Br J Pharmacol. 2004 Jan;141(2):340-6.  
Malherbe P, et al. Mol Pharmacol. 2009 Sep;76(3):618-31.  
Girault EM, et al. Brain Res. 2013 Aug 21;1527:238-45.

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

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