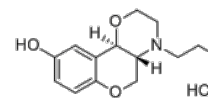


**Product Name** : PD128907 hydrochloride  
**Cat. No.** : PC-70058  
**CAS No.** : 300576-59-4  
**Molecular Formula** : C<sub>14</sub>H<sub>19</sub>NO<sub>3</sub>.HCl  
**Molecular Weight** : 285.77  
**Target** : Dopamine Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

PD128907 hydrochloride is a potent, selective and orally active agonist of **dopamine D3** receptor (D3R) with K<sub>i</sub> of 20 nM. PD128907 hydrochloride displays 18-200-fold selectivity over other dopamine receptor subtypes. PD128907 hydrochloride decreases dopamine release both in rat striatum, nucleus accumbens and medial frontal cortex, decreases spontaneous locomotor activity (LMA) in rats; orally active.

## References

- DeWald HA, et al. *J Med Chem*. 1990 Jan;33(1):445-50.  
Pugsley TA, et al. *J Pharmacol Exp Ther*. 1995 Dec;275(3):1355-66.  
Bristow LJ, et al. *Neuropharmacology*. 1996 Mar;35(3):285-94.

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

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