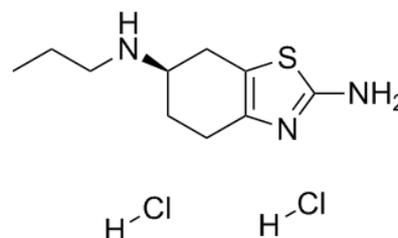


**Product Name** : Dextramipexole dihydrochloride  
**Cat. No.** : PC-45174  
**CAS No.** : 104632-27-1  
**Molecular Formula** : C<sub>10</sub>H<sub>19</sub>Cl<sub>2</sub>N<sub>3</sub>S  
**Molecular Weight** : 284.249  
**Target** : Dopamine Receptor  
**Solubility** : DMSO: ≥ 28 mg/mL



### Biological Activity

A partial/full agonist of dopamine receptor with  $K_i$  of 3.9/2.2/0.5/5.1 nM for D<sub>2S</sub>/D<sub>2L</sub>/D<sub>3</sub>/D<sub>4</sub>, respectively; also possesses low/insignificant affinity (500–10,000 nM) for the 5-HT<sub>1A</sub>, 5-HT<sub>1B</sub>, 5-HT<sub>1D</sub>, and  $\alpha$ <sub>2</sub>-adrenergic receptors; used for treating Parkinson's disease (PD) and restless legs syndrome (RLS).

Alzheimer's Disease

Phase 2 Clinical

### References

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Cudkowicz M, et al. Nat Med. 2011 Nov 20;17(12):1652-6.

Bozik ME, et al. J Clin Pharmacol. 2011 Aug;51(8):1177-85.

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

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