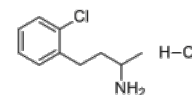


**Product Name** : SK609  
**Cat. No.** : PC-35989  
**CAS No.** : 1092797-77-7  
**Molecular Formula** : C<sub>10</sub>H<sub>15</sub>Cl<sub>2</sub>N  
**Molecular Weight** : 220.137  
**Target** : Dopamine Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

SK609 (SK-609, ES609) is a potent, selective agonist of **dopamine D3 receptor** with a bias towards the G-protein-dependent pathway rather than recruiting  $\beta$ -arrestin-2 and an EC<sub>50</sub> value of 113.9 nM for activation of ERK1/2 phosphorylation.

SK609 reverses akinesia and reduces L-dopa-induced dyskinesia in a hemiparkinsonian rat model of Parkinson's disease.

## References

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Xu W, et al. *ACS Chem Neurosci*. 2017 Mar 15;8(3):486-500.

Kuzhikandathil EV, et al. *Pharm Res*. 2012 Aug;29(8):2264-75.

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

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