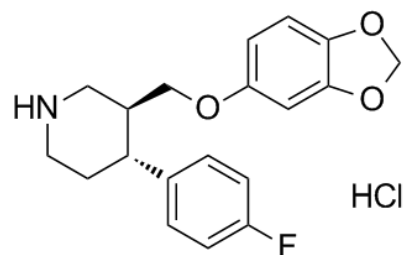


**Product Name** : Paroxetine hydrochloride  
**Cat. No.** : PC-46649  
**CAS No.** : 78246-49-8  
**Molecular Formula** : C<sub>19</sub>H<sub>21</sub>ClFNO<sub>3</sub>  
**Molecular Weight** : 365.8264  
**Target** : Monoamine Transporter  
**Solubility** : DMSO: ≥ 250 mg/mL; H<sub>2</sub>O: 2.12 mg/mL



### Biological Activity

Paroxetine hydrochloride (BRL29060 hydrochloride) is an antidepressant of the selective **serotonin reuptake inhibitor** (SSRI) class.

Paroxetine hydrochloride also shows to be a selective inhibitor of GRK2 activity both in vitro and in living cells.

Paroxetine hydrochloride induce autophagy dependent-NLRP3-inflammasome inhibition in Major depressive disorder.

### References

Thal DM, et al. *ACS Chem Biol.* 2012 Nov 16;7(11):1830-9.

Gassen NC, et al. *Autophagy.* 2015;11(3):578-80.

Alcocer-Gómez E, et al. *Pharmacol Res.* 2017 Jul;121:114-121.

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

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