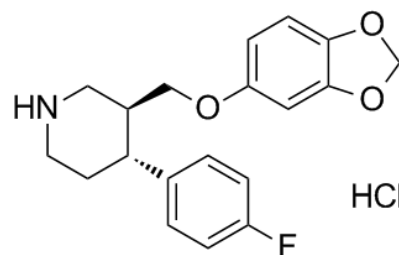


Product Name : Paroxetine hydrochloride
Cat. No. : PC-46649
CAS No. : 78246-49-8
Molecular Formula : C₁₉H₂₁ClFNO₃
Molecular Weight : 365.8264
Target : Monoamine Transporter
Solubility : DMSO: ≥ 250 mg/mL; H₂O: 2.12 mg/mL



Biological Activity

Paroxetine hydrochloride is an oral, selective serotonin reuptake inhibitor (**SSRI**), also is a direct, selective inhibitor of G protein-coupled receptor kinase 2 (**GRK2**) with pIC₅₀ of 5.6. Paroxetine also is a weak norepinephrine (NE) reuptake inhibitor, capable of inducing cell apoptosis and having anti-tumor activity, Paroxetine induces 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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