

Product Information

AChR inhibitor, Paroxetine HCl, Purity $\geq 98\%$

Cat. No.: X24-09-YM1145

Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD03658863

CAS Number: 78246-49-8

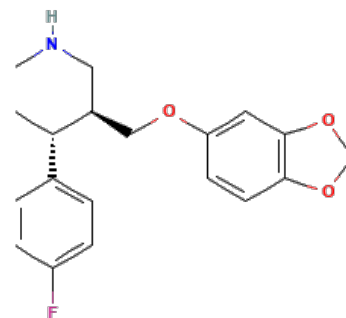
Compound CID: 62878

Synonym: 78246-49-8; Aropax; Deroxat; Paxil; Seroxat;

(3*S*,4*R*)-3-(1,3-Benzodioxol-5-yloxymethyl)-4-(4-fluorophenyl)piperidine;

hydrochloride; AChR inhibitor

This product is for research use only and is not intended for diagnostic use.



Cl—H

Product Information

Description	Paroxetine HCl, soluble in DMSO, water, and ethanol, is an antidepressant drug of the SSRI type. The molecular weight of the compound is 365.83, and its molecular formula is C ₁₉ H ₂₀ FNO ₃ ·HCl. It targets the AChR.
Molecular Weight	365.83
Molecular Formula	C ₁₉ H ₂₀ FNO ₃ ·HCl
Targets	AChR
IUPAC Name	(3 <i>S</i> ,4 <i>R</i>)-3-(1,3-Benzodioxol-5-yloxymethyl)-4-(4-fluorophenyl)piperidine;hydrochloride
InChI	InChI=1S/C19H20FNO3.ClH/c20-15-3-1-13(2-4-15)17-7-8-21-10-14(17)11-22-16-5-6-18-19(9-16)24-12-23-18;/h1-6,9,14,17,21H,7-8,10-12H2;1H/t14-,17-;/m0./s1
InChI Key	GELRVIPPMNMYGS-RVXRQPKJSA-N
Canonical SMILES	C1CNCC(C1C2=CC=C(C=C2)F)COC3=CC4=C(C=C3)OCO4.Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 70 mg/mL (191.34 mM); Water: 1 mg/mL (2.73 mM); Ethanol: 34 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Paroxetine HCl can be studied extensively for its potential therapeutic applications in the treatment



of depression, anxiety disorders, obsessive-compulsive disorder, and post-traumatic stress disorder (PTSD).

Storage

Store at -20°C, and keep desiccated.
