

Product Information

Propacetamol hydrochloride, Purity $\geq 98\%$

Cat. No.: X24-09-YM1429

Size: 100 mg; 200 mg; 500 mg; 1 g

MDL: MFCD00941392

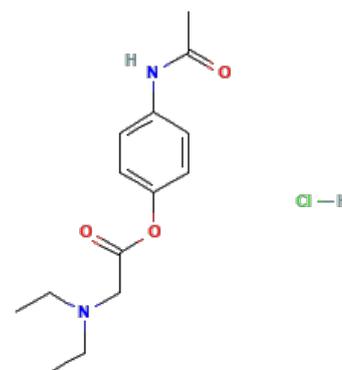
CAS Number: 66532-86-3

Compound CID: 108082

Synonym: 66532-86-3; Propacetamol HCL; 4-Acetamidophenyl

2-(diethylamino)acetate hydrochloride; Pro-efferalgan; Pro-dafalgan;

(4-Acetamidophenyl) 2-(diethylamino)acetate; hydrochloride



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

Product Information

Description	Propacetamol hydrochloride, soluble in DMSO, water, and ethanol, is a prodrug of paracetamol (PCM). The molecular weight of the compound is 300.78, and its molecular formula is C ₁₄ H ₂₁ ClN ₂ O ₃ .
Molecular Weight	300.78
Molecular Formula	C ₁₄ H ₂₁ ClN ₂ O ₃
IUPAC Name	(4-Acetamidophenyl) 2-(diethylamino)acetate;hydrochloride
InChI	InChI=1S/C14H20N2O3.ClH/c1-4-16(5-2)10-14(18)19-13-8-6-12(7-9-13)15-11(3)17;/h6-9H,4-5,10H 2,1-3H3,(H,15,17);1H
InChI Key	WGTYJNGARJPYKG-UHFFFAOYSA-N
Canonical SMILES	CCN(CC)CC(=O)OC1=CC=C(C=C1)NC(=O)C.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: 54 mg/mL (179.53 mM); Water: 54 mg/mL (179.53 mM); Ethanol: 27 mg/mL (89.77 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Propacetamol hydrochloride can be studied extensively for its potential therapeutic applications in the treatment of pain and fever.



Storage

Store at -20°C, and keep desiccated.
