



Product Information

PARP inhibitor PJ 34 hydrochloride, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ240

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

MDL: MFCD16618379

CAS Number: 344458-15-7

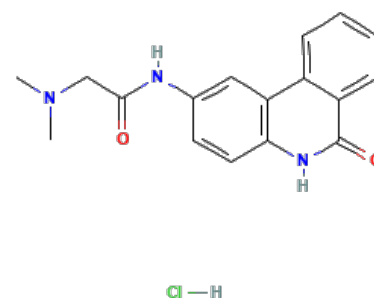
Compound CID: 16760621

Synonym: 344458-15-7; PJ34 hydrochloride; PJ34 HCl;

2-(Dimethylamino)-N-(6-oxo-5,6-dihydrophenanthridin-2-yl)acetamide hydrochloride;

PJ 34 Hydrochloride; PARP inhibitor

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



Product Information

Description	PJ 34 hydrochloride, soluble in DMSO and water and insoluble in ethanol, binds to the PARP enzyme's active site, preventing it from repairing single-strand DNA breaks.
Molecular Weight	331.8
Molecular Formula	C ₁₇ H ₁₇ N ₃ O ₂ .HCl
IUPAC Name	2-(Dimethylamino)-N-(6-oxo-5H-phenanthridin-2-yl)acetamide;hydrochloride
InChI	InChI=1S/C17H17N3O2.ClH/c1-20(2)10-16(21)18-11-7-8-15-14(9-11)12-5-3-4-6-13(12)17(22)19-15;/h3-9H,10H2,1-2H3,(H,18,21)(H,19,22);1H
InChI Key	RURAZZMDMNRXMI-UHFFFAOYSA-N
Canonical SMILES	CN(C)CC(=O)NC1=CC2=C(C=C1)NC(=O)C3=CC=CC=C32.Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 57 mg/mL (171.79 mM); Water: 57 mg/mL (171.79 mM); Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	PJ 34 hydrochloride can be used to study its role as a PARP inhibitor in apoptosis.
Storage	Store at -20°C.