



Product Information

CDK inhibitor TAK-960 hydrochloride, Purity ≥98%

Cat. No.: X24-05-ZQ721

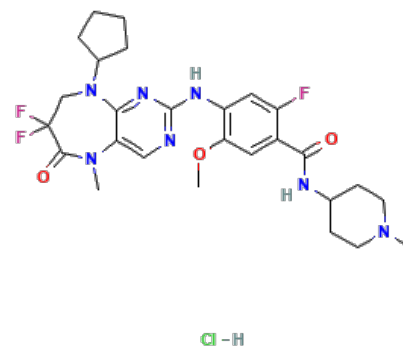
Size: 1 mg; 5 mg; 10 mg

CAS Number: 1137868-96-2

Compound CID: 91826087

Synonym: 1137868-96-2; TAK 960; TAK960; CDK inhibitor

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



Product Information

Description	TAK-960 hydrochloride is an CDK kinase inhibitor that disrupts cell division processes. It targets FAK/PTK2, FES/FPS, MLCK/MYLK, and PLK1.
Molecular Weight	598.06
Molecular Formula	C ₂₇ H ₃₅ ClF ₃ N ₇ O ₃
Targets	FAK/PTK2: 19.6 nM; FES/FPS: 58.2 nM; MLCK/MYLK: 25.6 nM; PLK1: 0.8 nM
IUPAC Name	4-[(9-Cyclopentyl-7,7-difluoro-5-methyl-6-oxo-8H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2-fluoro-5-methoxy-N-(1-methylpiperidin-4-yl)benzamide;hydrochloride
InChI	InChI=1S/C27H34F3N7O3.ClH/c1-35-10-8-16(9-11-35)32-24(38)18-12-22(40-3)20(13-19(18)28)33-26-31-14-21-23(34-26)37(17-6-4-5-7-17)15-27(29,30)25(39)36(21)2;/h12-14,16-17H,4-11,15H2,1-3H3,(H,32,38)(H,31,33,34);1H
InChI Key	QZBHDFGFNVMONB-UHFFFAOYSA-N
Canonical SMILES	CN1CCC(CC1)NC(=O)C2=CC(=C(C=C2F)NC3=NC=C4C(=N3)N(CC(C(=O)N4C)(F)F)C5CCCC5)OC.Cl
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	TAK-960 hydrochloride is used to investigate its inhibition of Plk1 and its implications for cancer therapy.



Storage

Store at -20°C.
