

Product Information

CDK inhibitor Ribociclib hydrochloride, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ834

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1211443-80-9

Compound CID: 67242274

Synonym: 1211443-80-9; LEE011 hydrochloride; CDK inhibitor

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



Cl-H

Product Information

Description	Ribociclib hydrochloride is an CDK kinase inhibitor that disrupts cell division processes.
Molecular Weight	471
Molecular Formula	C ₂₃ H ₃₁ ClN ₈ O
IUPAC Name	7-Cyclopentyl- <i>N,N</i> -dimethyl-2-[(5-piperazin-1-yl)pyridin-2-yl]amino]pyrrolo[2,3-d]pyrimidine-6-carboxamide;hydrochloride
InChI	InChI=1S/C23H30N8O.ClH/c1-29(2)22(32)19-13-16-14-26-23(28-21(16)31(19)17-5-3-4-6-17)27-20-8-7-18(15-25-20)30-11-9-24-10-12-30;/h7-8,13-15,17,24H,3-6,9-12H2,1-2H3,(H,25,26,27,28);1H
InChI Key	JZRSIQPIKASMEV-UHFFFAOYSA-N
Canonical SMILES	CN(C)C(=O)C1=CC2=CN=C(N=C2N1C3CCCC3)NC4=NC=C(C=C4)N5CCNCC5.Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Ribociclib hydrochloride is used to study its role as a selective CDK4/6 inhibitor in the treatment of cancer.
Storage	Store at -20°C.