

Product Information

CDK inhibitor ICEC0942 HCl, Purity ≥98%

Cat. No.: X24-05-ZQ783

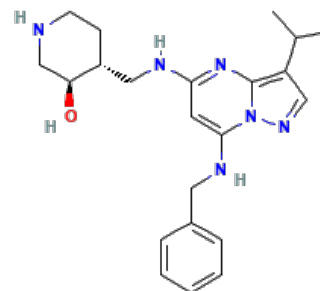
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1805789-54-1

Compound CID: 91844732

Synonym: 1805789-54-1; CT7001; CDK inhibitor

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



Cl-H

Product Information

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|--------------------------|---|
| Description | ICEC0942 HCl, soluble in DMSO, water and ethanol, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK1, CDK2, CDK4, and CDK5. |
| Molecular Weight | 430.98 |
| Molecular Formula | C ₂₂ H ₃₁ ClN ₆ O |
| Targets | CDK1: 1.8 μM; CDK2: 578 nM; CDK4: 49 μM; CDK5: 9.4 μM |
| IUPAC Name | (3 <i>R</i> ,4 <i>R</i>)-4-[[[7-(benzylamino)-3-propan-2-ylpyrazolo[1,5- <i>a</i>]pyrimidin-5-yl]amino]methyl]piperidin-3-ol;hydrochloride |
| InChI | InChI=1S/C22H30N6O.ClH/c1-15(2)18-13-26-28-21(25-11-16-6-4-3-5-7-16)10-20(27-22(18)28)24-12-17-8-9-23-14-19(17)29;/h3-7,10,13,15,17,19,23,25,29H,8-9,11-12,14H2,1-2H3,(H,24,27);1H/t17-,19+;/m1./s1 |
| InChI Key | YMNPLAHCOLEZJE-ZFNKBKEPSA-N |
| Canonical SMILES | CC(C)C1=C2N=C(C=C(N2N=C1)NCC3=CC=CC=C3)NCC4CCNCC4O.Cl |
| Isomeric SMILES | CC(C)C1=C2N=C(C=C(N2N=C1)NCC3=CC=CC=C3)NC[C@H]4CCNC[C@@H]4O.Cl |
| Form | Lyophilized powder |
| Purity | ≥98% |
| Solubility | DMSO: 76 mg/mL (176.34 mM); Water: 76 mg/mL (176.34 mM); Ethanol: 13 mg/mL (30.16 mM) |
| Identity | Confirmed by NMR/HPLC/MS. |
| Stability | The product is stable for three years when stored at the recommended temperature in lyophilized powder. |



Applications

ICEC0942 HCl can be used to investigate its inhibition of CDK7 and its potential therapeutic effects on cancer.

Storage

Store at -20°C.
