



Product Information

MELK inhibitor OTSSP167, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ302

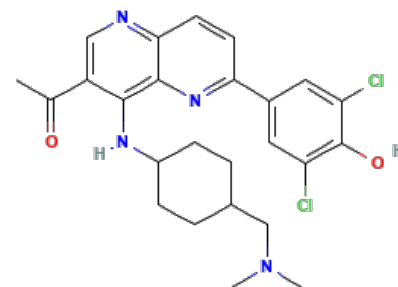
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1431697-89-0

Compound CID: 135398499

Synonym: 1431697-89-0; OTSSP-167; OTSSP 167; MELK inhibitor

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



Product Information

Description	OTSSP167, soluble in warmed DMSO and insoluble in water and ethanol, targets a kinase involved in cell cycle regulation and proliferation, offering therapeutic potential in cancer treatment by halting tumor growth. It targets MELK.
Molecular Weight	487.42
Molecular Formula	C ₂₅ H ₂₈ Cl ₂ N ₄ O ₂
Targets	MELK: 0.41 nM
IUPAC Name	1-[6-(3,5-Dichloro-4-hydroxyphenyl)-4-[[4-[(dimethylamino)methyl]cyclohexyl]amino]-1,5-naphthyridin-3-yl]ethanone
InChI	InChI=1S/C25H28Cl2N4O2/c1-14(32)18-12-28-22-9-8-21(16-10-19(26)25(33)20(27)11-16)30-24(22)23(18)29-17-6-4-15(5-7-17)13-31(2)3/h8-12,15,17,33H,4-7,13H2,1-3H3,(H,28,29)
InChI Key	DKZYXHCYPUVGAF-UHFFFAOYSA-N
Canonical SMILES	CC(=O)C1=CN=C2C=CC(=NC2=C1NC3CCC(CC3)CN(C)C)C4=CC(=C(C(=C4)Cl)O)Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 0.47 mg/mL (0.96 mM); Water: Insoluble; 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	OTSSP167 can be employed to investigate its potent inhibition of MELK, particularly in breast cancer research.



Storage

Store at -20°C.
