



## Product Information

### MELK inhibitor OTSSP167, Purity ≥98%

**Cat. No.:** X24-05-ZQ302

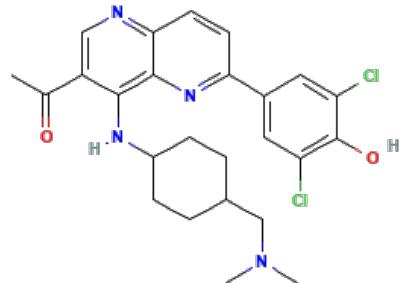
**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**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

<b>Description</b>	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.
<b>Molecular Weight</b>	487.42
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>28</sub> C <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
<b>Targets</b>	MELK: 0.41 nM
<b>IUPAC Name</b>	1-[6-(3,5-Dichloro-4-hydroxyphenyl)-4-[[4-[(dimethylamino)methyl]cyclohexyl]amino]-1,5-naphthyridin-3-yl]ethanone
<b>InChI</b>	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)
<b>InChI Key</b>	DKZYXHCYPUVGAF-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(=O)C1=CN=C2C=CC(=NC2=C1NC3CCC(CC3)CN(C)C)C4=CC(=C(C(=C4)Cl)O)Cl
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	Warmed DMSO: 0.47 mg/mL (0.96 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	OTSSP167 can be employed to investigate its potent inhibition of MELK, particularly in breast cancer research.



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**Storage**

Store at -20°C.

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