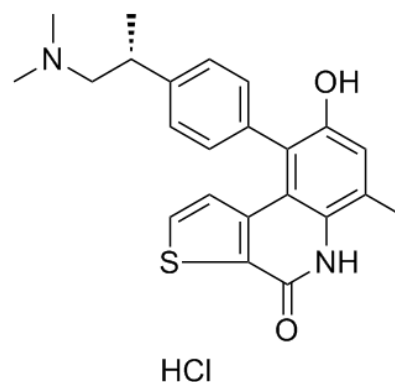


Product Name : OTS-964
Cat. No. : PC-43047
CAS No. : 1338545-07-5
Molecular Formula : C₂₃H₂₅ClN₂O₂S
Molecular Weight : 428.9748
Target : TOPK
Solubility : 10 mM in DMSO



Biological Activity

OTS-964 is a dimethylated derivative of OTS514 and potent, selective **TOPK** inhibitor with IC₅₀ of 28 nM, exhibits excellent in vivo efficacy with liposomal formulation.

OTS-964 inhibits the growth of TOPK-positive cells with low IC₅₀ values (A549 IC₅₀=31 nM), decreases autophosphorylation of TOPK (Thr9), as well as phosphorylation of histone H3 (Ser10), in both T47D and LU-99 cells.

The liposomal OTS964 causes complete regression of tumors without any detectable toxicity in the xenograft models.

References

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Pirovano G, et al. *Br J Cancer*. 2017 Aug 8;117(4):503-512.

Sugimori M, et al. *Oncotarget*. 2017 Dec 9;9(3):3043-3059.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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