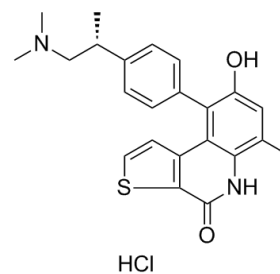


Product Name	: OTS-964
Synonyms	: OTS964
Cat No.	: M11360
CAS Number	: 1338545-07-5
Molecular Formula	: C ₂₃ H ₂₅ ClN ₂ O ₂ S
Formula Weight	: 428.97
Chemical Name	: Thieno[2,3-c]quinolin-4(5H)-one, 9-[4-[(1R)-2-(dimethylamino)-1-methylethyl]phenyl]-8-hydroxy-6-methyl-, hydrochloride (1:1)
Description	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; 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.
Pathway	: MAPK/ERK Signaling
Target	: MEK
Receptor	: TOPK
Solubility	: 10 mM in DMSO
SMILES	: <chem>CC1=CC(=C(C2=C1NC(=O)C3=C2C=CS3)C4=CC=C(C(C4)C(C)CN(C)C)O)O.Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Matsuo Y, et al. Sci Transl Med. 2014 Oct 22;6(259):259ra145. | 2. Ikeda Y, et al. Clin Cancer Res. 2016 Dec 15;22(24):6110-6117. | 3. Pirovano G, et al. Br J Cancer. 2017 Aug 8;117(4):503-512. | 4. Sugimori M, et al. Oncotarget. 2017 Dec 9;9(3):3043-3059.