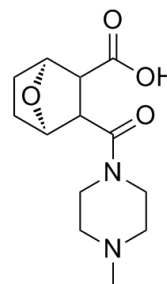


Product Name	: LB-100 (b)
Synonyms	: LB100
Cat No.	: M12454
CAS Number	: 1632032-53-1
Molecular Formula	: C ₁₃ H ₂₀ N ₂ O ₄
Formula Weight	: 268.31
Chemical Name	: 7-Oxabicyclo[2.2.1]heptane-2-carboxylic acid, 3-[(4-methyl-1-piperazinyl)carbonyl]-, (1R,4S)-rel-
Description	: LB-100 (LB100) is a potent serine/threonine protein phosphatase 2A (PP2A) inhibitor; exhibits inhibitory effect in HCC cell lines Huh-7, HepG2, Hep3B, and SNU-449 with mean IC ₅₀ of 10 uM; synergistically enhances the activity of doxorubicin and induces expression of HIF-1α and VEGF; significantly enhances tumor growth inhibition by cisplatin in vivo. Brain Cancer Phase 1 Clinical
Pathway	: Metabolic Enzyme/Protease
Target	: Protein Phosphatase/PTP
Receptor	: PP2A
Solubility	: H ₂ O: ≥ 48 mg/mL; DMSO: < 2.9 mg/mL
SMILES	: <chem>O=C(C1C(O2)CCC2C1C(N3CCN(C)CC3)=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Bai XL, et al. Mol Cancer Ther. 2014 Aug;13(8):2062-72. 2. Chang KE, et al. Mol Cancer Ther. 2015 Jan;14(1):90-100. 3. Gordon IK, et al. Mol Cancer Ther. 2015 Jul;14(7):1540-7.