LP99

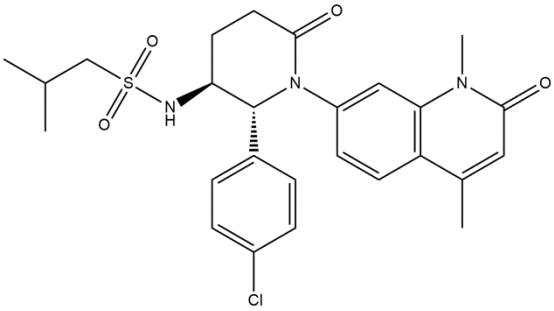
08/19

ALTERNATE NAMES: N-[(2R,3S)-2-(4-chlorophenyl)-1-(1,4-dimethyl-2-oxoquinolin-7-yl)-6-oxopiperidin-3-yl]-2-methylpropane-1-sulfonamide; N-[(2R,3S)-2-(4-chlorophenyl)-1-(1,2-dihydro-1,4-dimethyl-2-oxo-7-quinolinyl)-6-oxo-3-piperidinyl]-2-methyl-1-propanesulfonamide

CATALOG #:

B2853-500	500 µg
B2853-1000	1000 µg

STRUCTURE:



MOLECULAR FORMULA: $C_{26}H_{30}ClN_3O_4S$

MOLECULAR WEIGHT: 516.05

CAS NUMBER: 1808951-93-0

APPEARANCE: A crystalline solid

PURITY: ≥98%

SOLUBILITY: ~20 mg/ml in ethanol, DMSO and DMF

DESCRIPTION: LP99 is an inhibitor of BRD9 and BRD7 bromodomains. LP99 inhibits the interactions of both BRD7 and BRD9 with histones H3.3 and H4, with IC_{50} values in the low micromolar range in bioluminescence resonance energy transfer (BRET) assays in HEK293 cells. It also inhibits IL-6 secretion from LPS stimulated THP-1 cells at a concentration of 10 µM.

STORAGE TEMPERATURE: -20ºC

REFERENCE: Clark, P.G., Vieira, L.C., Tallant, C., et al. LP99: Discovery and synthesis of the first selective BRD7/9 bromodomain inhibitor. Angew Chem. Int. Ed. Engl. 54(21), 6217-6221 (2015).

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

BAZ2-ICR (Cat. No. B1865)
Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070)
ARV-825 (Cat. No. B2019)
EZSolution™ (+)-JQ1 (Cat. No. 2091)
AZD-5153 (Cat. No. B2020)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***