

Product Name: ent-LP 99

Catalog No.: 5497

Batch No.: 1

CAS Number: 1808948-28-8

IUPAC Name: *N*-[(2*S*,3*R*)-2-(4-Chlorophenyl)-1-(1,2-dihydro-1,4-dimethyl-2-oxo-7-quinolinyl)-6-oxo-3-piperidinyl]-2-methyl-1-propanesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₆H₃₀ClN₃O₄S·¼H₂O

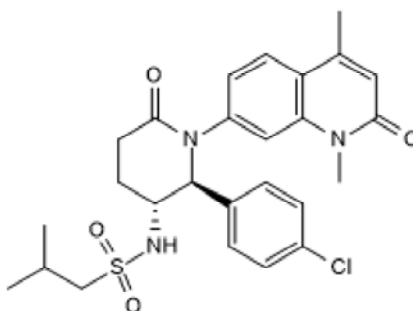
Batch Molecular Weight: 520.55

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.21 (Dichloromethane:Methanol [95:5])

HPLC: Shows 99.4% purity

Chiral HPLC: Shows 99.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.99	5.91	8.07
Found	59.96	5.9	8.15

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Description:

Negative Control for LP 99 (Cat.No. 5496).

Physical and Chemical Properties:

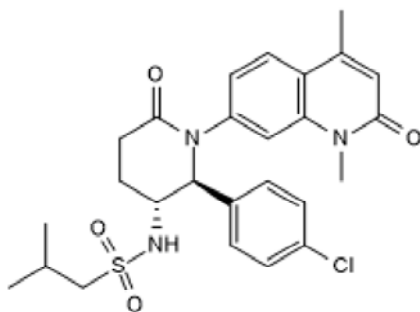
Batch Molecular Formula: C₂₆H₃₀ClN₃O₄S·½H₂O

Batch Molecular Weight: 520.55

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Clark *et al* (2015) LP99: discovery and synthesis of the first selective BRD7/9 bromodomain inhibitor. *Angew.Chem.Int.Ed.Engl.* **54** 6217. PMID: 25864491.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956