

Product Name: OG-L002

Catalog No.: 6244

Batch No.: 1

CAS Number: 1357302-64-7

IUPAC Name: 4'-((1R,2S)-2-aminocyclopropyl)biphenyl-3-ol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₅NO.0.66H₂O

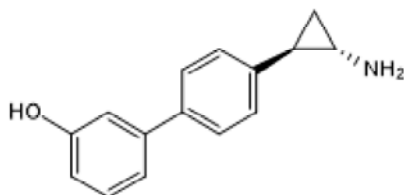
Batch Molecular Weight: 237.1801

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM
ethanol to 100 mM
1eq. HCl to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity

Chiral HPLC: Shows 99.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	75.96	6.94	5.91
Found	75.94	6.54	6

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Catalog No.: 6244

Batch No.: 1

CAS Number: 1357302-64-7

IUPAC Name: 4'-((1R,2S)-2-aminocyclopropyl)biphenyl-3-ol

Description:

Potent LSD1 inhibitor (IC₅₀ = 20 nM). Exhibits some selectivity for LSD1 over MAO-B and MAO-A (IC₅₀ values are 0.72 and 1.38 μM, respectively). Inhibits herpes simplex virus (HSV) immediate early gene expression and viral yield in vitro. Suppresses HSV primary infection in vivo.

Physical and Chemical Properties:

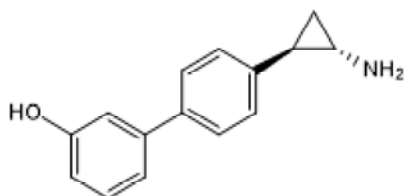
Batch Molecular Formula: C₁₅H₁₅NO.0.66H₂O

Batch Molecular Weight: 237.1801

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Liang et al (2013) A novel selective LSD1/KDM1A inhibitor epigenetically blocks herpes simplex virus lytic replication and reactivation from latency. *MBio.* **4** e00558. PMID: 23386436.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 100 mM

1eq. HCl to 20 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.

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