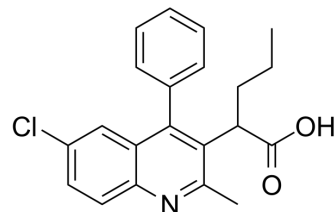


## LEDGIN6

|                           |   |       |         |
|---------------------------|---|-------|---------|
| <b>Cat. No.:</b>          | HY-10522  |       |         |
| <b>CAS No.:</b>           | 957890-42-5                                       |       |         |
| <b>Molecular Formula:</b> | C <sub>21</sub> H <sub>20</sub> ClNO <sub>2</sub> |       |         |
| <b>Molecular Weight:</b>  | 353.84  |       |         |
| <b>Target:</b>            | HIV; HIV Integrase                                |       |         |
| <b>Pathway:</b>           | Anti-infection; Metabolic Enzyme/Protease         |       |         |
| <b>Storage:</b>           | Powder  | -20°C | 3 years |
|                           |   | 4°C   | 2 years |
|                           | In solvent  | -80°C | 2 years |
|                           |   | -20°C | 1 year  |



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : ≥ 100 mg/mL (282.61 mM)  
 \* "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Concentration | Mass      |            |            |
|---------------------------|-----------------------|-----------|------------|------------|
|                           |                       | 1 mg      | 5 mg       | 10 mg      |
|                           | 1 mM                  | 2.8261 mL | 14.1307 mL | 28.2614 mL |
|                           | 5 mM                  | 0.5652 mL | 2.8261 mL  | 5.6523 mL  |
|                           | 10 mM                 | 0.2826 mL | 1.4131 mL  | 2.8261 mL  |

Please refer to the solubility information to select the appropriate solvent.

### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 2.5 mg/mL (7.07 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (7.07 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

LEDGIN6 (CX05168) is a quinoline-based protein-protein interaction inhibitor of LEDGF/p75 and HIV integrase<sup>[1]</sup>.

## CUSTOMER VALIDATION

- Int J Antimicrob Agents. 2019 Dec;54(6):814-819.
- Retrovirology. 2020 Aug 31;17(1):28.

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- Molecular Medicine & Haematology National Health Laboratory Services. University of the Witwatersrand.
  - Faculty of Health Sciences. University of the Witwatersrand. 2019 May.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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