# (-)-JNJ-A07

**Cat. No.:** HY-139602C

**CAS No.:** 2135640-92-3

**Molecular Formula:** $C_{28}H_{26}ClF_3N_2O_6$

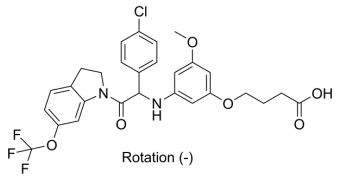
**Molecular Weight:** 578.96

**Target:** Flavivirus

**Pathway:** Anti-infection

**Storage:**

| | | |
|---|---|---|
| Powder | -20°C | 3 years |
| In solvent | -80°C | 6 months |
| | -20°C | 1 month |




## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 100 mg/mL (172.72 mM; Need ultrasonic)

| Preparing Stock Solutions | Mass / Solvent / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 1.7272 mL | 8.6362 mL | 17.2724 mL |
| | 5 mM | 0.3454 mL | 1.7272 mL | 3.4545 mL |
| | 10 mM | 0.1727 mL | 0.8636 mL | 1.7272 mL |

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

**In Vivo**

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution

## BIOLOGICAL ACTIVITY

**Description**

(-)-JNJ-A07 is a potent and selective DENV inhibitor with an $EC_{50}$ value of 31 nM[1].

**$IC_{50}$ & Target**

$EC_{50}$: 31 nM (DENV)[1]

## REFERENCES

[1]. Bart Rudolf Romanie Kesteleyn, et al. Substituted indoline derivatives as dengue viral replication inhibitors. WO2017167951 (compound 4A)

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

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