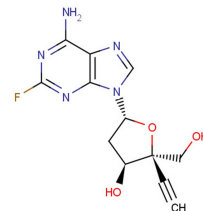


## Data Sheet (Cat.No.T16098)

Islatravir

### Chemical Properties

CAS No.:	865363-93-5
Formula:	C <sub>12</sub> H <sub>12</sub> FN <sub>5</sub> O <sub>3</sub>
Molecular Weight:	293.25
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	Islatravir is an effective anti-HIV-1 agent. It acting as a nucleoside reverse transcriptase inhibitor (EC <sub>50</sub> s: 0.068 nM, 3.1 nM, and 0.15 nM for HIV-1 (WT), HIV-1 (M184V), HIV-1 (MDR), respectively).
Targets(IC <sub>50</sub> )	HIV-1 WT: 0.068 nM (EC <sub>50</sub> ) HIV-1 MDR: 0.15 nM (EC <sub>50</sub> ) HIV-1 M184V: 3.1 nM (EC <sub>50</sub> )

### Solubility Information

Solubility	DMSO: 20.83 mg/mL (71.03 mM) H <sub>2</sub> O: 3.57 mg/mL (12.17 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.41 mL	17.05 mL	34.101 mL
5 mM	0.682 mL	3.41 mL	6.82 mL
10 mM	0.341 mL	1.705 mL	3.41 mL
50 mM	0.068 mL	0.341 mL	0.682 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Ohrui H, et al. 2'-deoxy-4'-C-ethynyl-2-fluoroadenosine, a nucleoside reverse transcriptase inhibitor, is highly potent against all human immunodeficiency viruses type 1 and has low toxicity. Chem Rec. 2006;6(3):133-43.

Inhibitors · Natural Compounds · Compound Libraries

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