# Data Sheet (Cat.No.T60379)



## pUL89 Endonuclease-IN-1

#### **Chemical Properties**

CAS No.: 391680-92-5

Formula: C10H8N2O4S

Molecular Weight: 252.25

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

## **Biological Description**

Description	pUL89 Endonuclease-IN-1 (Compound 13d), with an IC50 value of 0.88 µM, serves as a potent inhibitor of human cytomegalovirus (HCMV) pUL89 endonuclease, demonstrating antiviral activity [1].
In vitro	pUL89 Endonuclease-IN-1 (compound 13d) effectively suppresses pUL89-C, as evidenced by an IC50 value of 0.88 $\mu$ M. This compound also demonstrates outstanding aqueous solubility, plasma stability, and in vitro ADME metabolic stability. Furthermore, it exhibits moderate permeability according to the PAMPA [1]. In cell cytotoxicity assays [1] using HFF cells at a concentration of 5 $\mu$ M over 168 hours, pUL89 Endonuclease-IN-1 significantly inhibits HCMV at 5 $\mu$ M.

## **Preparing Stock Solutions**

70	1mg	5mg	10mg	
1 mM	3.9643 mL	19.8216 mL	39.6432 mL	
5 mM	0.7929 mL	3.9643 mL	7.9286 mL	
10 mM	0.3964 mL	1.9822 mL	3.9643 mL	
50 mM	0.0793 mL	0.3964 mL	0.7929 mL	

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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