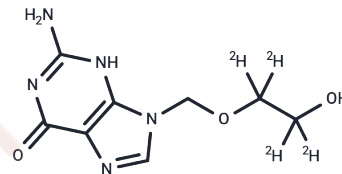


## Acyclovir-D4

## Chemical Properties

CAS No. :	1185179-33-2
Formula:	C <sub>8</sub> H <sub>7</sub> D <sub>4</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	229.23
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Acyclovir-D4 is a deuterated compound of Acyclovir. Acyclovir (T1454) has a CAS number of 59277-89-3. Acyclovir (T1454) is a synthetic analog of the purine nucleoside, guanosine, with potent antiviral activity against herpes simplex viruses type 1 and 2, varicella-zoster virus and other viruses of the herpesvirus family.
Targets(IC50)	Apoptosis, Antibacterial, Antibiotic, HSV

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3624 mL	21.8122 mL	43.6243 mL
5 mM	0.8725 mL	4.3624 mL	8.7249 mL
10 mM	0.4362 mL	2.1812 mL	4.3624 mL
50 mM	0.0872 mL	0.4362 mL	0.8725 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Meyrick Thomas RH, et al. Br J Dermatol. 1985, 113(6):731-735.

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