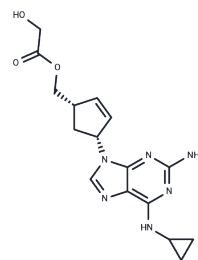


## Abacavir hydroxyacetate

## Chemical Properties

CAS No. :	1446418-48-9
Formula:	C <sub>16</sub> H <sub>20</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	344.37
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Abacavir hydroxyacetate is an orally active nucleoside analog reverse transcriptase inhibitor. It has anti-HIV and immunomodulatory activity, induces arterial thrombosis in a mouse model, and can be used to study HIV infection.
Targets(IC50)	Others,HIV Protease,Interleukin
In vivo	In 6 to 8-week-old male and female SCID mice with implantation of psoriatic tissue, Abacavir hydroxyacetate (10 and 20 mg/kg; oral gavage; 10-20 mg/kg once) decreases the concentration of PRINS and IL-20, and reduces the lesion area of the skin, showing a better effect than methotrexate in controlling psoriasis[1].

## Solubility Information

Solubility	DMSO: 80 mg/mL (232.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9039 mL	14.5193 mL	29.0385 mL
5 mM	0.5808 mL	2.9039 mL	5.8077 mL
10 mM	0.2904 mL	1.4519 mL	2.9039 mL
50 mM	0.0581 mL	0.2904 mL	0.5808 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

Guda A, et al. Investigational drugs in phase II clinical trials for moderate to severe plaque psoriasis - potential new treatments on the horizon. Expert Opin Investig Drugs. 2018 Nov;27(11):931-939.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481