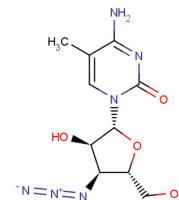


## 3'-Azido-3'-deoxy-5-methylcytidine

## Chemical Properties

CAS No.:	1282040-14-5
Formula:	C <sub>10</sub> H <sub>14</sub> N <sub>6</sub> O <sub>4</sub>
Molecular Weight:	282.26
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	3'-Azido-3'-deoxy-5-methylcytidine (CS-92) is a potent xenotropic murine leukemia-related retrovirus (XMRV) inhibitor (CC50: 43.5 $\mu$ M) in MCF-7 cells. It also inhibits HIV-1 reverse transcriptase with an EC50 of 0.06 $\mu$ M in PBM cells.
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	DMSO: 83.33 mg/mL (295.22 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.543 mL	17.714 mL	35.428 mL
5 mM	0.709 mL	3.543 mL	7.086 mL
10 mM	0.354 mL	1.771 mL	3.543 mL
50 mM	0.071 mL	0.354 mL	0.709 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. Singh IR, et al. Raltegravir is a potent inhibitor of XMRV, a virus implicated in prostate cancer and chronic fatigue syndrome. PLoS One. 2010 Apr 1;5(4):e9948.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481