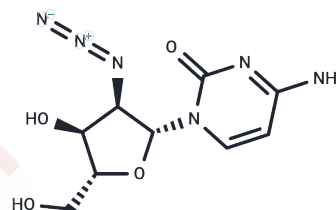


## 2'-Azido-2'-deoxycytidine

## Chemical Properties

CAS No. :	51034-68-5
Formula:	C <sub>9</sub> H <sub>12</sub> N <sub>6</sub> O <sub>4</sub>
Molecular Weight:	268.23
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	2'-Azido-2'-deoxycytidine is a nucleoside analogue and azido-modified cytidine that can undergo click chemistry reactions with molecules containing alkyne, DBCO, or BCN groups.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

## Solubility Information

Solubility	DMSO: 200 mg/mL (745.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7281 mL	18.6407 mL	37.2814 mL
5 mM	0.7456 mL	3.7281 mL	7.4563 mL
10 mM	0.3728 mL	1.8641 mL	3.7281 mL
50 mM	0.0746 mL	0.3728 mL	0.7456 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

Kang SH, Cho MJ. Biological activity and phosphorylation of 2'-azido-2'-deoxyuridine and 2'-azido-2'-deoxycytidine. Nucleosides Nucleotides. 1998 Jun;17(6):1077-88.

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