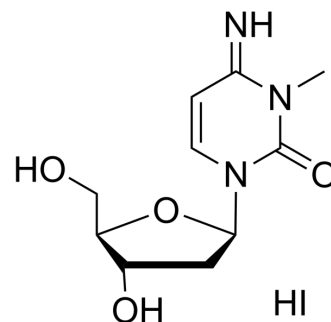


## 2'-Deoxy-N3-methylcytidine hydriodide

<b>Cat. No.:</b>	HY-154496A		
<b>CAS No.:</b>	79043-77-9		
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>16</sub> IN <sub>3</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	369.16		
<b>Target:</b>	Nucleoside Antimetabolite/Analog		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (270.89 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7089 mL	13.5443 mL	27.0885 mL
	5 mM	0.5418 mL	2.7089 mL	5.4177 mL
	10 mM	0.2709 mL	1.3544 mL	2.7089 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

2'-Deoxy-N3-methylcytidine hydriodide is a purine nucleoside analog. Purine nucleoside analogs have broad antitumor activity targeting indolent lymphoid malignancies. Anticancer mechanisms in this process rely on inhibition of DNA synthesis, induction of apoptosis, etc<sup>[1]</sup>.

### REFERENCES

[1]. Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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