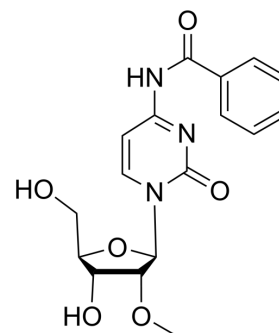


## N4-Benzoyl-2'-O-methylcytidine

Cat. No.:	HY-W114787		
CAS No.:	52571-45-6		
Molecular Formula:	C <sub>17</sub> H <sub>19</sub> N <sub>3</sub> O <sub>6</sub>		
Molecular Weight:	361.35		
Target:	Nucleoside Antimetabolite/Analog		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

N4-Benzoyl-2'-O-methylcytidine is a cytidine analog. Cytidine analogs have a mechanism of inhibiting DNA methyltransferases (such as Zebularine, HY-13420), and have potential anti-metabolic and anti-tumor activities<sup>[1]</sup>.

### REFERENCES

[1]. Gowher H, et al. Mechanism of inhibition of DNA methyltransferases by cytidine analogs in cancer therapy. *Cancer Biol Ther.* 2004 Nov;3(11):1062-8.

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

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