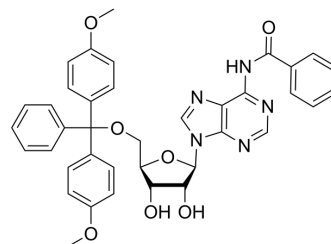


## 5'-O-DMT-Bz-rA

Cat. No.:	HY-21545		
CAS No.:	81246-82-4		
Molecular Formula:	C <sub>38</sub> H <sub>35</sub> N <sub>5</sub> O <sub>7</sub>		
Molecular Weight:	674		
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



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (148.37 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.4837 mL	7.4184 mL	14.8368 mL
5 mM	0.2967 mL	1.4837 mL	2.9674 mL
10 mM	0.1484 mL	0.7418 mL	1.4837 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 13.16 mg/mL (19.53 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (3.71 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

5'-O-DMT-Bz-rA is an intermediate for cyclic di-nucleotide compounds synthesis<sup>[1]</sup>.

### REFERENCES

- [1]. Boyu Zhong, et al. Cyclic di-nucleotide compounds and methods of use. Patent WO2017161349.

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

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