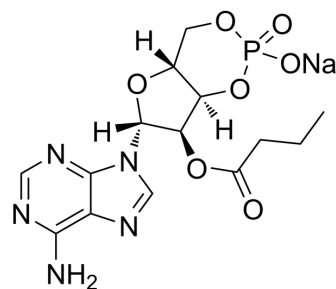


2'-O-MB-cAMP sodium

Cat. No.:	HY-131763
CAS No.:	55443-13-5
Molecular Formula:	C ₁₄ H ₁₇ N ₅ NaO ₇ P
Molecular Weight:	421.28
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (237.37 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		2.3737 mL	11.8686 mL	23.7372 mL
		5 mM		0.4747 mL	2.3737 mL	4.7474 mL
		10 mM		0.2374 mL	1.1869 mL	2.3737 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.93 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.93 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.93 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	2'-O-MB-cAMP (2'-O-Monobutyl cAMP) sodium is an activatable proagent of Cyclic AMP (HY-B1511) ^[1] .
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REFERENCES

[1]. Russell PN, et al. Identification of butyryl derivatives of cyclic nucleotides by positive ion fast atom bombardment mass spectrometry and mass-analysed ion kinetic energy spectrometry. Organic Mass Spectrometry. August 1989.

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

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