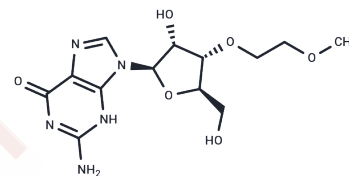


## 3'-O-(2-Methoxyethyl)guanosine

### Chemical Properties

CAS No. :	256224-03-0
Formula:	C13H19N5O6
Molecular Weight:	341.32
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	3'-O-(2-Methoxyethyl)guanosine is a guanine nucleoside analogue with immunostimulatory activity. It can induce type I interferon production in various animal models and thereby exert antiviral effects. Related studies have confirmed that the functional activity of guanosine analogues depends on the activation of Toll-like receptor 7 (TLR7).
Targets(IC50)	Nucleoside Antimetabolite/Analog

### Solubility Information

Solubility	DMSO: 70 mg/mL (205.09 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	--

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9298 mL	14.649 mL	29.298 mL
5 mM	0.586 mL	2.9298 mL	5.8596 mL
10 mM	0.293 mL	1.4649 mL	2.9298 mL
50 mM	0.0586 mL	0.293 mL	0.586 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

Lee J, et al. Molecular basis for the immunostimulatory activity of guanine nucleoside analogs: activation of Toll-like receptor 7. Proc Natl Acad Sci U S A. 2003 May 27;100(11):6646-51.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481