# Data Sheet (Cat.No.T37105)



## 2',3'-O-Isopropylideneguanosine

#### **Chemical Properties**

CAS No.: 362-76-5

Formula: C13H17N5O5

Molecular Weight: 323.3

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### **Biological Description**

Description 2',3'-O-Isopropylideneguanosine is an alkylated guanosine building block.1,2It has

been used in the synthesis of ordered honeycomb microporous films and mRNA cap

analogs.

#### **Solubility Information**

Solubility DMF: 10 mg/mL

DMSO:PBS (pH 7.2) (1:4): 0.2 mg/mL

DMSO: 10 mg/mL

(< 1 mg/ml refers to the product slightly soluble or insoluble)

#### **Preparing Stock Solutions**

Roll	1mg	5mg	10mg	
1 mM	3.0931 mL	15.46 <mark>5</mark> 5 mL	30.931 mL	
5 mM	0.6186 mL	3.0931 mL	6.1862 mL	
10 mM	0.3093 mL	1.5466 mL	3.0931 mL	
50 mM	0.0619 mL	0.3093 mL	0.6186 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.

#### Reference

Gao, Y.-F., Huang, Y.-J., Xu, S.-Y., et al.Ordered honeycomb microporous films from self-assembly of alkylated guanosine derivativesLangmuir27(6)2958-2964(2011)

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