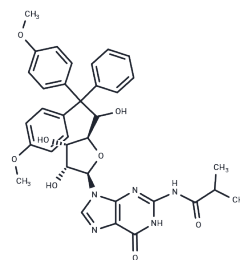


## 5'-O-DMT-ibu-rG

### Chemical Properties

CAS No. : 81246-83-5  
 Formula: C<sub>35</sub>H<sub>37</sub>N<sub>5</sub>O<sub>8</sub>  
 Molecular Weight: 655.7  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



### Biological Description

|               |   |
|---------------|---|
| Description   | 5'-O-DMT-ibu-rG is a valuable model for a novel category of DNA binding compounds, offering potential for the creation of highly effective and specifically targeted anti-cancer medications. |
| Targets(IC50) | Nucleoside Antimetabolite/Analog,Others   |

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.5251 mL | 7.6254 mL | 15.2509 mL |
| 5 mM  | 0.305 mL  | 1.5251 mL | 3.0502 mL  |
| 10 mM | 0.1525 mL | 0.7625 mL | 1.5251 mL  |
| 50 mM | 0.0305 mL | 0.1525 mL | 0.305 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

Pradeepkumar Patel, et al. Synthesis, DNA binding and anti-leukemic activity of an aminoacyl nucleolipid. Bioorg Med Chem Lett. 2013 Sep 15;23(18):5086-90.

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