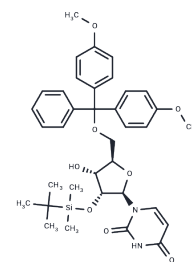


## 5'-O-DMT-2'-TBDMS-Uridine

### Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 81246-80-2  |
| Formula:          | C <sub>36</sub> H <sub>44</sub> N <sub>2</sub> O <sub>8</sub> Si  |
| Molecular Weight: | 660.83  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



### Biological Description

|               |  |
|---------------|--|
| Description   | 5'-O-DMT-2'-TBDMS-Uridine is a deoxyribonucleoside used for the oligonucleotide synthesis. |
| Targets(IC50) | Nucleoside Antimetabolite/Analog,Others,DNA/RNA Synthesis                                  |

### Solubility Information

|                     |  |
|---------------------|--|
| Solubility          | DMSO: 100 mg/mL (151.32 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)  |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (4.99 mM),Sonication is recommended.<br><i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.5132 mL | 7.5662 mL | 15.1325 mL |
| 5 mM  | 0.3026 mL | 1.5132 mL | 3.0265 mL  |
| 10 mM | 0.1513 mL | 0.7566 mL | 1.5132 mL  |
| 50 mM | 0.0303 mL | 0.1513 mL | 0.3026 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.

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