



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

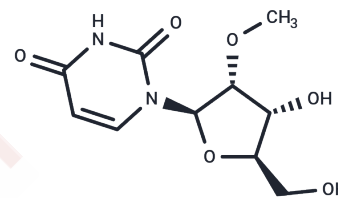
[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## 2'-O-Methyluridine

### Chemical Properties

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| CAS No. :         | 2140-76-3                                                     |
| Formula:          | C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> |
| Molecular Weight: | 258.23                                                        |
| Appearance:       | no data available                                             |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year      |



### Biological Description

|               |                                                                                                                                     |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Description   | 2'-O-Methyluridine is a natural product that found in RNA such as rRNA, snRNA, snoRNA and tRNA in Archaea, Bacteria, and Eukaryota. |
| Targets(IC50) | Others                                                                                                                              |

### Solubility Information

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| Solubility | DMSO: 85 mg/ml (329.16 mM)<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-----------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.8725 mL | 19.3626 mL | 38.7252 mL |
| 5 mM  | 0.7745 mL | 3.8725 mL  | 7.745 mL   |
| 10 mM | 0.3873 mL | 1.9363 mL  | 3.8725 mL  |
| 50 mM | 0.0775 mL | 0.3873 mL  | 0.7745 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

Aučynaitė A, et al. Identification of a 2'-O-Methyluridine Nucleoside Hydrolase Using the Metagenomic Libraries. *Molecules*. 2018;23(11):2904. Published 2018 Nov 7.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481