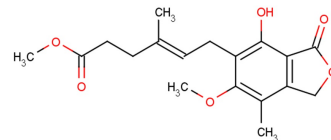


## (E/Z)-Methyl mycophenolate

## Chemical Properties

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| CAS No.:          | 24243-40-1                                                             |
| Formula:          | C <sub>18</sub> H <sub>22</sub> O <sub>6</sub>                         |
| Molecular Weight: | 334.36                                                                 |
| Appearance:       | N/A                                                                    |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



## Biological Description

|                            |                                                                                                                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | Methyl mycophenolate can be used to synthesize mycophenolic acid $\beta$ -D-glucuronide and phenolic glycosides. (E/Z)-Methyl mycophenolate is a racemic compound of (Z)-Methyl mycophenolate and (E)-Methyl mycophenolate isomers. Methyl mycophenolate is a methyl ester of mycophenolic acid. |
| Targets(IC <sub>50</sub> ) | Others: None                                                                                                                                                                                                                                                                                     |

## Solubility Information

|            |                                                               |
|------------|---------------------------------------------------------------|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg      | 5mg       | 10mg      |
|-------|----------|-----------|-----------|
| 1 mM  | 2.991 mL | 14.954 mL | 29.908 mL |
| 5 mM  | 0.598 mL | 2.991 mL  | 5.982 mL  |
| 10 mM | 0.299 mL | 1.495 mL  | 2.991 mL  |
| 50 mM | 0.06 mL  | 0.299 mL  | 0.598 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Amy E. Jones, et al. Convenient syntheses of the in vivo carbohydrate metabolites. Tetrahedron Letters. 50 (2009): 4973-4977.
2. Ando K, et al. Synthesis of mycophenolic acid beta-D-glucuronide and its antitumor activity. J Antibiot (Tokyo). 1970 Aug;23(8):408-13.

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