# Data Sheet (Cat.No.T20257)

TargetMol

## Methyl anisate

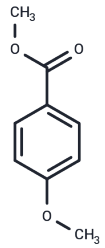
### Chemical Properties

CAS No. : 121-98-2

Formula: C9H10O3

Molecular Weight: 166.17

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 | Methyl anisate (NSC 7324) is a human endogenous metabolite. |
| Targets(IC50) | Endogenous Metabolite |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 60 mg/mL (361.08 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: 2 mg/mL (12.04 mM),Sonication is recommended.<br>*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.* |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 6.0179 mL | 30.0897 mL | 60.1793 mL |
| 5 mM | 1.2036 mL | 6.0179 mL | 12.0359 mL |
| 10 mM | 0.6018 mL | 3.009 mL | 6.0179 mL |
| 50 mM | 0.1204 mL | 0.6018 mL | 1.2036 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

Suckling DM, Sagar RL. Honeybees Apis mellifera can detect the scent of Mycobacterium tuberculosis. Tuberculosis (Edinb). 2011 Jul;91(4):327-8. doi: 10.1016/j.tube.2011.04.008. Epub 2011 May 4. PubMed PMID: 21546308.
Syhre M, Chambers ST. The scent of Mycobacterium tuberculosis. Tuberculosis (Edinb). 2008 Jul;88(4):317-23. doi: 10.1016/j.tube.2008.01.002. Epub 2008 Mar 4. PubMed PMID: 18296120.

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