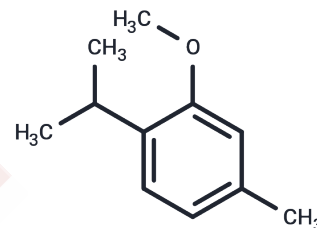


## Thymol methyl ether

## Chemical Properties

CAS No. :	1076-56-8
Formula:	C <sub>11</sub> H <sub>16</sub> O
Molecular Weight:	164.24
Storage:	Keep away from moisture
	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year
	Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Thymol methyl ether (2-methoxy-4-methyl-1-(propan-2-yl)benzene) is a volatile substance present in the rhizomes of <i>Arnica officinalis</i> with potential antibacterial and anticancer antioxidant activity.
Targets(IC50)	Antioxidant, Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0887 mL	30.4433 mL	60.8865 mL
5 mM	1.2177 mL	6.0887 mL	12.1773 mL
10 mM	0.6089 mL	3.0443 mL	6.0887 mL
50 mM	0.1218 mL	0.6089 mL	1.2177 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

Rabdanova, N.P., Tykheev, Z.A., Taraskin, V.V. et al. Composition and Antibacterial Activity of Essential Oils from Roots of *Seseli condensatum*. *Chem Nat Compd* 60, 171-173 (2024).

Fratini, L.M., Oliveira, A.A., Kotsubo, J.S. et al. Enhancing the taxonomic delimitation of *Lippia organoides* Kunth (Verbenaceae) by analyzing volatile terpenes and molecular markers in micropropagated accessions. *Plant Cell Tiss Organ Cult* 156, 17 (2024).

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