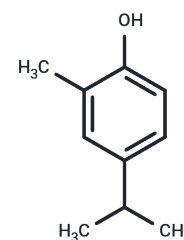


## 4-Isopropyl-2-methylphenol

## Chemical Properties

CAS No. :	1740-97-2
Formula:	C <sub>10</sub> H <sub>14</sub> O
Molecular Weight:	150.22
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	4-Isopropyl-2-methylphenol is a natural phenolic organic product commonly found in the essential oils extracted from various aromatic plants and spices. 4-Isopropyl-2-methylphenol is a structural isomer of the well-known compound thymol and serves multiple functions as a flavoring agent, a broad-spectrum antimicrobial agent, and a pharmacological activator of certain transient receptor potential (TRP) ion channels.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6569 mL	33.2845 mL	66.569 mL
5 mM	1.3314 mL	6.6569 mL	13.3138 mL
10 mM	0.6657 mL	3.3285 mL	6.6569 mL
50 mM	0.1331 mL	0.6657 mL	1.3314 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

- Friedman M. Chemistry and multibeneficial bioactivities of carvacrol (4-isopropyl-2-methylphenol), a component of essential oils produced by aromatic plants and spices. *J Agric Food Chem.* 2014 Aug 6;62(31):7652-70.
- Mousavi S, et al. Carvacrol ameliorates acute campylobacteriosis in a clinical murine infection model. *Gut Pathog.* 2020 Jan 8;12:2.

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