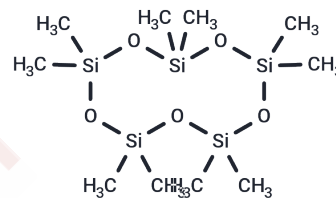


## Decamethylcyclopentasiloxane

## Chemical Properties

CAS No. :	541-02-6
Formula:	C <sub>10</sub> H <sub>30</sub> O <sub>5</sub> Si <sub>5</sub>
Molecular Weight:	370.77
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	Decamethylcyclopentasiloxane is a cyclic methylsiloxane with volatile properties.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6971 mL	13.4854 mL	26.9709 mL
5 mM	0.5394 mL	2.6971 mL	5.3942 mL
10 mM	0.2697 mL	1.3485 mL	2.6971 mL
50 mM	0.0539 mL	0.2697 mL	0.5394 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

- Kuroda A, Sakai K, Yahagi S, Mukawa T, Sato N, Nakamura N, Maezawa D, Masaki H, Banno T, Asakura K. Surface Structures of Cosmetic Standard Poly Methyl Methacrylate UV Evaluation Plates and their Influence on the in vitro Evaluation of UV Protection Abilities of Cosmetic Sunscreens. *J Oleo Sci.* 2019 Feb 1;68(2):175-182. doi: 10.5650/jos.ess18207. Epub 2019 Jan 17. PubMed PMID: 30651410.
- Ghidotti M, Fabbri D, Torri C. Determination of linear and cyclic volatile methyl siloxanes in biogas and biomethane by solid-phase microextraction and gas chromatography-mass spectrometry. *Talanta.* 2019 Apr 1;195:258-264. doi: 10.1016/j.talanta.2018.11.032. Epub 2018 Nov 13. PubMed PMID: 30625541.
- Helm JS, Nishioka M, Brody JG, Rudel RA, Dodson RE. Re: Measurement of endocrine disrupting and asthma-associated chemicals in hair products used by Black women. *Environ Res.* 2018 Dec 3. pii: S0013-9351(18)30611-X. doi: 10.1016/j.envres.2018.11.029. [Epub ahead of print] PubMed PMID: 30616861.
- Guo J, Zhou Y, Zhang B, Zhang J. Distribution and evaluation of the fate of cyclic volatile methyl siloxanes in the largest lake of southwest China. *Sci Total Environ.* 2019 Mar 20;657:87-95. doi: 10.1016/j.scitotenv.2018.11.454. Epub 2018 Dec 4. PubMed PMID: 30530222.

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