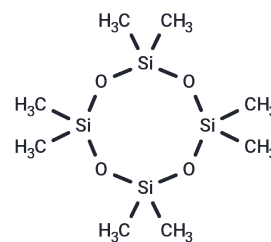


## Octamethylcyclotetrasiloxane

### Chemical Properties

CAS No. : 556-67-2  
 Formula: C<sub>8</sub>H<sub>24</sub>O<sub>4</sub>Si<sub>4</sub>  
 Molecular Weight: 296.62  
 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	Octamethylcyclotetrasiloxane promotes the growth of MCF-10A and MCF-10F cells under non-adherent conditions. It induces DNA damage upon prolonged high concentration exposure and inhibits the expression of DNA repair protein BRCA1. Additionally, octamethylcyclotetrasiloxane exhibits inherent estrogenic activity.
Targets(IC50)	DNA/RNA Synthesis

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3713 mL	16.8566 mL	33.7132 mL
5 mM	0.6743 mL	3.3713 mL	6.7426 mL
10 mM	0.3371 mL	1.6857 mL	3.3713 mL
50 mM	0.0674 mL	0.3371 mL	0.6743 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.

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