

## 10-(Phosphonooxy)decyl methacrylate

## Chemical Properties

CAS No. :	85590-00-7
Formula:	C <sub>14</sub> H <sub>27</sub> O <sub>6</sub> P
Molecular Weight:	322.334
Storage:	Store at 4°C Actual storage temperature shall be subject to the COA.

## Biological Description

Description	10-(Phosphonooxy)decyl methacrylate (10-methacryloyloxydecyl dihydrogen phosphate) is an adhesive that can modify the surface of dentin and improve the stability of dentin bonding.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1024 mL	15.5121 mL	31.0241 mL
5 mM	0.6205 mL	3.1024 mL	6.2048 mL
10 mM	0.3102 mL	1.5512 mL	3.1024 mL
50 mM	0.062 mL	0.3102 mL	0.6205 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

Demir N, et al. Bonding Effectiveness of Saliva-Contaminated Monolithic Zirconia Ceramics Using Different Decontamination Protocols. Biomed Res Int. 2024 Apr 4;2024:6670159.

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