



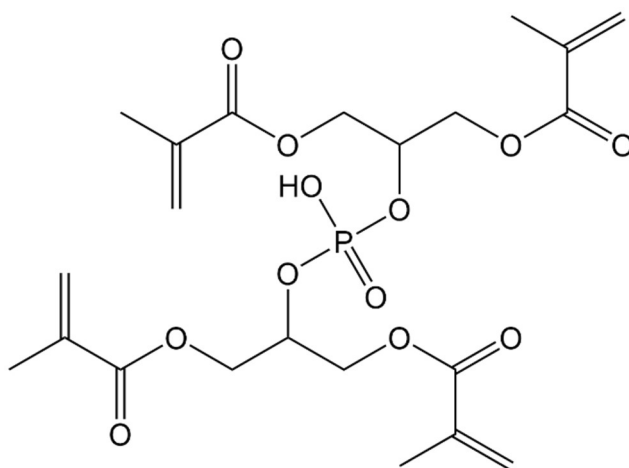
Bis GDMA Phosphate **FP 5020**

General

Bis(Glyceryl Dimethacrylate) Phosphate (BisGDMAP) can polymerize with other monomers (i.e. acrylates, etc.) to form dental composites. These composites are typically used for making bridges and crowns or as reparative tooth fillings. Additionally, BisGDMAP can be used to formulate dental adhesives to bond the composite bridges, crowns, and fillings, as well as ceramic veneers, metal bridges, etc. to the tooth surface. BisGDMAP exhibits good biocompatibility.

The aesthetic optical properties of dental composites can be adjusted with BisGDMAP. The refractive index and transparency of the composites can be altered by varying the quantity of BisGDMAP in the formulation.

Chemical Structure



Product Information

Product Type:	Monomers
CAS Number:	168191-79-5
Product Name:	Bis(Glyceryl Dimethacrylate)Phosphate
Synonyms:	2-Propenoic acid, 2-methyl-, phosphinobis(oxy-2,1,3-propanetriyl) ester; BisGDMAP
Applications:	Dental Restoration
Shelf Life:	1 year when stored at 25°C

Typical Properties

Appearance	Light Yellow Viscous Liquid
MEHQ (stabilizer):	200 ppm maximum
Acid Number:	100 – 200 mg KOH/g
Molecular Weight:	518.45 g/mole

Safety and Handling

Keep the container tightly closed. Store in a cool and dark place, below 35°C.
Detailed information is provided in the SDS.

For additional information visit our website www.hampfordresearch.com.