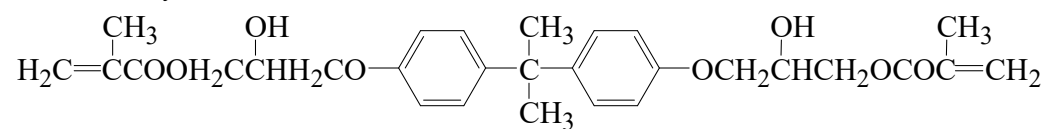




>>Entry Name: (1-Methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] 2-methyl-2-propenoate, 9CI

Synonym(s): Bisphenol A diglycidyl ether methacrylate. Bis-GMA



CAS Registry Number: 1565-94-2

Molecular Formula: C₂₉H₃₆O₈

Molecular Weight: 512.599

Accurate Mass: 512.24102

Percentage Composition: C 67.95%; H 7.08%; O 24.97%

Use/Importance: Monomer used in dental composites

References:

U.K. Pat., 1965, 1 006 587; *CA*, **64**, 839a, (*synth*)

Jacobsen, P.H. *et al.*, *Br. Dent. J.*, 1975, **139**, 276-280, (*use*)

Sheela, M.S. *et al.*, *J. Appl. Polym. Sci.*, 1991, **42**, 561-573, (*synth*)

Sandmer, B. *et al.*, *Makromol. Chem.*, 1992, **193**, 2763-2770, (*synth*)

Fujisawa, S. *et al.*, *Dent. Mater. J.*, 1994, **13**, 251-255, (*pmr, cmr*)