



>>Entry Name: Hexamethylene dimethacrylate

Synonym(s): 1,6-Hexanediyl 2-methyl-2-propenoate, 9CI

CAS Registry Number: 6606-59-3

$\text{H}_2\text{C}=\text{C}(\text{CH}_3)\text{COO}(\text{CH}_2)_6\text{OCC}(\text{CH}_3)=\text{CH}_2$

Molecular Formula: $\text{C}_{14}\text{H}_{22}\text{O}_4$

Molecular Weight: 254.325

Accurate Mass: 254.15181

Percentage Composition: C 66.12%; H 8.72%; O 25.16%

Use/Importance: Monomer used in photopolymerisable compositions

References:

Berlin, A.A. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1966, **170**, 1073-1076; *CA*, **66**, 18913x, (*polym*)

Silvergin, Yu.M. *et al.*, *CA*, 1971, **75**, 64322n, (*synth*)