



>>Entry Name: 3,6,9,12,15,18,21,24,27-Nonaoxanonacosane-1,29-diol, 9CI

Synonym(s): Decaethylene glycol, 9CI

CAS Registry Number: 5579-66-8

Related CAS Registry Numbers(s): 85725-25-3 85725-57-1

HOCH₂(CH₂OCH₂)₉CH₂OH

Molecular Formula: C₂₀H₄₂O₁₁

Molecular Weight: 458.545

Accurate Mass: 458.272715

Percentage Composition: C 52.39%; H 9.23%; O 38.38%

Boiling Point: Bp_{0.7} 280-310°

>>Derivative: Di-Me ether

Synonym(s): 2,5,8,11,14,17,20,23,26,29,32-Undecaoxatritriacontane, 9CI. 1,29-Dimethoxy-3,6,9,12,15,18,21,24,27-nonaoxanonacosane. Decaglyme

CAS Registry Number: 27762-70-5

Molecular Formula: C₂₂H₄₆O₁₁

Molecular Weight: 486.599

Accurate Mass: 486.304015

Percentage Composition: C 54.30%; H 9.53%; O 36.17%

Boiling Point: Bp_{0.005} 180-192°

References:

Yanagida, S. *et al.*, *Nippon Kagaku Kaishi*, 1983, 243, (*deriv*)

Warshawsky, A. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1984, **22**, 657

Dellaria, J.F. *et al.*, *J. Labelled Compd. Radiopharm.*, 1989, **27**, 1437