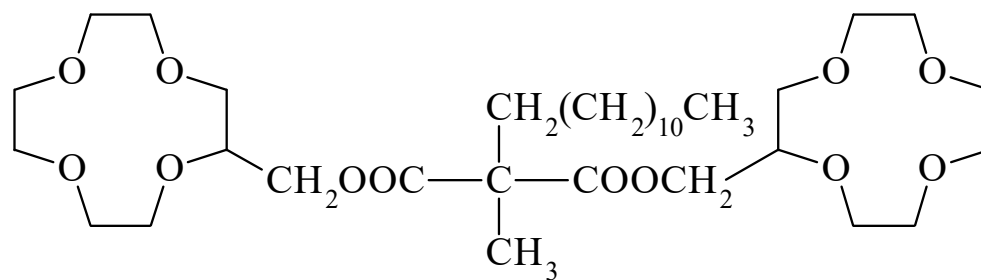




>>Entry Name: Dodecylmethylpropanedioate bis(1,4,7,10-tetraoxacyclododec-2-ylmethyl)ester, 9CI

Synonym(s): Bis[(12-crown-4)-2-ylmethyl] 2-dodecyl-2-methylmalonate



CAS Registry Number: 80403-59-4

Type of Compound Code(s): PM6200 PS8110 PA3950 PA3450

Molecular Formula: C₃₄H₆₂O₁₂

Molecular Weight: 662.857

Accurate Mass: 662.42413

Percentage Composition: C 61.61%; H 9.43%; O 28.96%

Use/Importance: Used as sensor for Na and K in ion-selective electrodes

Physical Description: Cryst. (THF/MeOH)

Fluka: 71739

Sigma: I7772

References:

Ikeda, I. *et al.*, *Tet. Lett.*, 1981, **22**, 3615, (*synth*)

Shono, T. *et al.*, *J. Electroanal. Chem.*, 1982, **132**, 99, (*synth*)

Tamura, H. *et al.*, *Mikrochim. Acta*, 1983, **2**, 287, (*use*)

Moody, G.J. *et al.*, *Analyst (London)*, 1989, **114**, 15, (*use*)