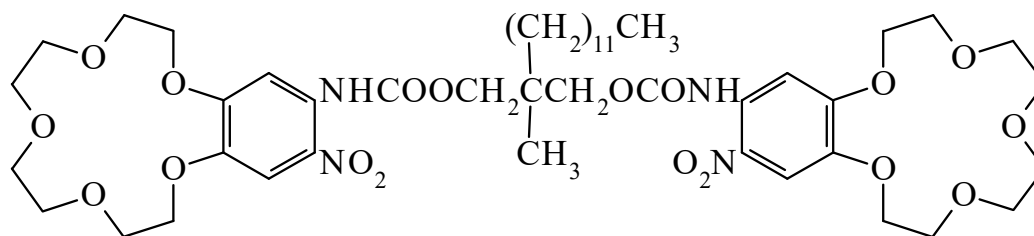




>>Entry Name: 2,2'-Bis[3,4-(15-crown-5)-2-nitrophenylcarbamoxymethyl]tetradecane

Synonym(s): (2,3,5,6,8,9,11,12-Octahydro-16-nitro-1,4,7,10,13-benzopentaoxacyclopentadecin-15-yl)carbamic acid 2-dodecyl-2-methyl-1,3-propanediyl ester, 9CI



CAS Registry Number: 99348-39-7

Molecular Formula: $C_{46}H_{70}N_4O_{18}$

Molecular Weight: 967.075

Accurate Mass: 966.468516

Percentage Composition: C 57.13%; H 7.30%; N 5.79%; O 29.78%

Use/Importance: Used in detn. of K in urine and blood analysis (liq. membrane ion-selective electrodes)

Physical Description: Yellow solid

Melting Point: Mp 71-72°

Solubility: Sl. sol. H_2O

Fluka: 60397

Sigma: I6897

References:

Wang, K. *et al.*, *Anal. Sci.*, 1990, **6**, 715, (use)

Lindner, E. *et al.*, *Mikrochim. Acta*, 1990, **1**, 157, (synth, use)

Dinten, O. *et al.*, *Anal. Chem.*, 1991, **63**, 596, (detn, K)