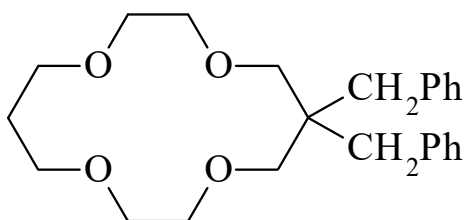




>>Entry Name: 6,6-Dibenzyl-1,4,8,11-tetraoxacyclotetradecane

Synonym(s): Dibenzy-14-crown-4



CAS Registry Number: 106868-21-7

Molecular Formula: C₂₄H₃₂O₄

Molecular Weight: 384.514

Accurate Mass: 384.23006

Percentage Composition: C 74.97%; H 8.39%; O 16.64%

Use/Importance: Used as ionophore in the ion-selective electrode for Li

Physical Description: Cryst.

Melting Point: Mp 102-103°

Solubility: Sol. CHCl₃

Fluka: 62567

Sigma: I5397

References:

Kimura, K. *et al.*, *J.C.S. Perkin 2*, 1986, 1945, (*synth*)

Kimura, K. *et al.*, *Anal. Chem.*, 1987, **59**, 2331, (*detn, Li*)