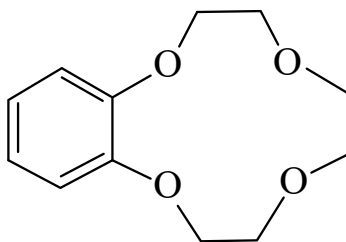




>>Entry Name: **Benzo-12-crown-4**

Synonym(s): 2,3,5,6,8,9-Hexahydro-1,4,7,10-benzotetraoxacyclododecin, 9CI



CAS Registry Number: 14174-08-4

Molecular Formula: C₁₂H₁₆O₄

Molecular Weight: 224.256

Accurate Mass: 224.10486

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Use/Importance: Used in extraction photometric detn. of Na

Physical Description: Cryst.

Melting Point: Mp 46-47°. Mp 44-44.5°

Solubility: Sol. C₆H₆, toluene, CHCl₃

Aldrich: 34775-2

Fluka: 12333

Rare Chemicals Library: S1197-6

Sigma: B2667

References:

Pedersen, C.J., *J.A.C.S.*, 1967, **89**, 7017, (*synth*)

Pacey, C.J. *et al.*, *Synth. Commun.*, 1981, **11**, 323, (*synth*)

Czech, B.P. *et al.*, *J. Het. Chem.*, 1985, **22**, 1297, (*synth*)

Zhang, F. *et al.*, *CA*, 1987, **106**, 77835r, (*detn, Na*)