



>>Entry Name: 3-Aminodiphenyl ether

Synonym(s): 3-Phenoxybenzenamine, 9Cl. *m*-Phenoxyaniline, 8Cl

CAS Registry Number: 3586-12-7

Molecular Formula: C₁₂H₁₁NO

Molecular Weight: 185.225

Accurate Mass: 185.084064

Percentage Composition: C 77.81%; H 5.99%; N 7.56%; O 8.64%

Physical Description: Prisms (petrol)

Melting Point: Mp 37°

Boiling Point: Bp 315°. Bp₃ 150-153°

Aldrich: 33835-4

>>Derivative: Hydrochloride

Melting Point: Mp 139°

>>Derivative: *N*-Ac

CAS Registry Number: 58202-88-3

Molecular Formula: C₁₄H₁₃NO₂

Molecular Weight: 227.262

Accurate Mass: 227.094629

Percentage Composition: C 73.99%; H 5.77%; N 6.16%; O 14.08%

Physical Description: Prisms (petrol)

Melting Point: Mp 83°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 550C, (*nmr*)

Ullmann, F. *et al.*, *Annalen*, 1906, **350**, 82

Sova, J. *et al.*, *Chem. Listy*, 1957, **51**, 2339; *CA*, **52**, 6248i