



>>Entry Name: 3,4-Di-*tert*-butylaniline, 8Cl

Synonym(s): 3,4-Bis(1,1-dimethylethyl)benzenamine, 9Cl

CAS Registry Number: 2380-36-1

Molecular Formula: C₁₄H₂₃N

Molecular Weight: 205.342

Accurate Mass: 205.183049

Percentage Composition: C 81.89%; H 11.29%; N 6.82%

Physical Description: Oil

Boiling Point: Bp_{0.2} 105°

Refractive Index: n_D²⁵ 1.5486

Aldrich: 27310-4

>>Derivative: Hydrochloride

Physical Description: Plates (EtOH)

Melting Point: Mp 136-137°

Solubility: Sp. sol. H₂O

>>Derivative: *N*-Ac

Molecular Formula: C₁₆H₂₅NO

Molecular Weight: 247.38

Accurate Mass: 247.193614

Percentage Composition: C 77.68%; H 10.19%; N 5.66%; O 6.47%

Physical Description: Prisms (EtOH)

Melting Point: Mp 135.5-136°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 519C, (*nmr*)

Burgstahler, A.W. *et al.*, *J.A.C.S.*, 1964, **86**, 5281