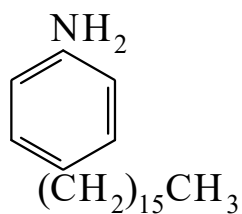




>>Entry Name: 4-Hexadecylaniline

Synonym(s): 4-Hexadecylbenzenamine, 9CI. 1-(4-Aminophenyl)hexadecane



CAS Registry Number: 79098-13-8

Related CAS Registry Numbers(s): 84907-20-0

Molecular Formula: C₂₂H₃₉N

Molecular Weight: 317.557

Accurate Mass: 317.308249

Percentage Composition: C 83.21%; H 12.38%; N 4.41%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 53-56°

Boiling Point: Bp₁₅ 254-255°

Aldrich: 23356-0

>>Derivative: Hydrochloride

CAS Registry Number: 3362-32-1

Melting Point: Mp 121-122°

>>Derivative: N-Ac

Molecular Formula: C₂₄H₄₁NO

Molecular Weight: 359.594

Accurate Mass: 359.318814

Percentage Composition: C 80.16%; H 11.49%; N 3.90%; O 4.45%

Melting Point: Mp 104-105°

Boiling Point: Bp₁₅ 295°

References:

Krafft, F. *et al.*, *Ber.*, 1888, **21**, 3181, (*N-Ac*)

Hickinbottom, W.J., *J.C.S.*, 1937, 1119, (*synth*)

Nikolenko, L.N. *et al.*, *Zh. Obshch. Khim.*, 1960, **30**, 1028; *J. Gen. Chem. USSR (Engl. Transl.)*, 1960, **30**, 1042, (*synth*)

Meier, H. *et al.*, *Annalen*, 1981, 1303, (*synth*)