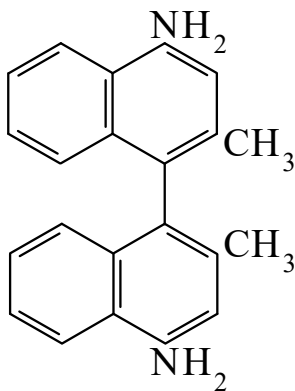




>>Entry Name: 4,4'-Diamino-3,3'-dimethyl-1,1'-binaphthyl

Synonym(s): 2,2'-Dimethyl-[1,1'-binaphthyl]-4,4'-diamine. 3,3'-Dimethylnaphthidine



CAS Registry Number: 13138-48-2

Molecular Formula: $C_{22}H_{20}N_2$

Molecular Weight: 312.413

Accurate Mass: 312.162648

Percentage Composition: C 84.58%; H 6.45%; N 8.97%

Use/Importance: Used as a 0.1-0.2% soln. in glac. AcOH as redox indicator; titrimetric detn. of Zn. Commercially available

Physical Description: Prisms (EtOH or petrol)

Melting Point: Mp 213°

Solubility: Sol. C_6H_6 , AcOH, EtOH; sol. sol. H_2O , petrol

Aldrich: 35893-2

Fluka: 40850

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 553B, (*nmr*)

Belcher, R. *et al.*, *J.C.S.*, 1951, 1520; 1952, 3857; 1958, 4454, (*detn, Zn, ind*)

Brown, E.G. *et al.*, *Anal. Chim. Acta*, 1953, **9**, 6, (*detn, Zn*)