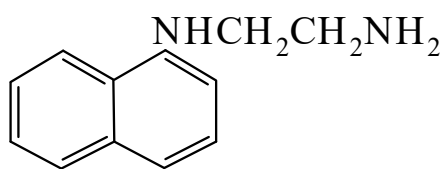




>>Entry Name: *N*-1-Naphthalenyl-1,2-ethanediamine, 9Cl

Synonym(s): *N*-(1-Naphthyl)ethylenediamine, 9Cl. 1-Amino-2-(α -naphthylamino)ethane. Bratton-Marshall reagent



CAS Registry Number: 551-09-7

Molecular Formula: C₁₂H₁₄N₂

Molecular Weight: 186.256

Accurate Mass: 186.115698

Percentage Composition: C 77.38%; H 7.58%; N 15.04%

Use/Importance: Used in photography. Used as 0.1% aq. soln. for extraction-photometric detn. of NO₂⁽⁻⁾ ($\lambda_{\max}$ 545 nm, ϵ 60400) (formation of azo dye)

Physical Description: Viscous, straw-yellow liq.

Boiling Point: Bp *ca.* ° 320 (dec.). Bp₉ 204°

Solubility: Sol. H₂O

Density: d₄²⁵ 1.114

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 1465-25-4

Melting Point: Mp 188-190°. Mp 209-210°

Aldrich: 22248-8

Fluka: 70721

Sigma: N5889

References:

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Bratton, A.C. *et al.*, *J. Biol. Chem.*, 1939, **128**, 537, (*synth*)

Natetskaya, G. *et al.*, *CA*, 1969, **71**, 12867s, (*use*)

East Ger. Pat., 1969, 69 131; *CA*, **72**, 78764h, (*synth*)

Chaube, A. *et al.*, *Talanta*, 1984, **31**, 391, (*use*)

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