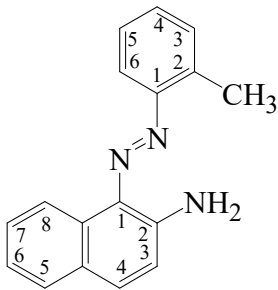




>>Entry Name: 1-(2-Methylphenylazo)-2-naphthalenamine, 9CI

Synonym(s): 1-(*o*-Tolylazo)-2-naphthylamine. Yellow OB. C.I. Solvent Yellow 6



CAS Registry Number: 131-79-3

Molecular Formula: C₁₇H₁₅N₃

Molecular Weight: 261.326

Accurate Mass: 261.126597

Percentage Composition: C 78.14%; H 5.79%; N 16.08%

Use/Importance: Photosensitiser, dye for oil and spirit products

Physical Description: Dark red needles (EtOH)

Melting Point: Mp 122°

>>Derivative: *N*-Ac

Molecular Formula: C₁₉H₁₇N₃O

Molecular Weight: 303.363

Accurate Mass: 303.137162

Percentage Composition: C 75.23%; H 5.65%; N 13.85%; O 5.27%

Physical Description: Red needles (EtOAc)

Melting Point: Mp 150°

>>Derivative: *N*-Benzoyl

Molecular Formula: C₂₄H₁₉N₃O

Molecular Weight: 365.434

Accurate Mass: 365.152812

Percentage Composition: C 78.88%; H 5.24%; N 11.50%; O 4.38%

Physical Description: Orange needles (AcOH)

Melting Point: Mp 124°

>>Derivative: *N*-Et

Molecular Formula: C₁₉H₁₉N₃

Molecular Weight: 289.379

Accurate Mass: 289.157897

Percentage Composition: C 78.86%; H 6.62%; N 14.52%

Physical Description: Needles (EtOH)

Melting Point: Mp 132°

References:

Norman, G.M., *J.C.S.*, 1912, **101**, 1913-1923, (*synth, derivs*)

Charrier, G. *et al.*, *Gazz. Chim. Ital.*, 1925, **55**, 11-28, (*synth, derivs*)

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