



Aldrich: 12898-8

>>Derivative: *N*-Ph

Synonym(s): 4-(Phenylazo)diphenylamine. *p*-Anilinoazobenzene

CAS Registry Number: 101-75-7

Molecular Formula: C₁₈H₁₅N₃

Molecular Weight: 273.337

Accurate Mass: 273.126597

Percentage Composition: C 79.10%; H 5.53%; N 15.37%

Melting Point: Mp 89-91°

Other Data: λ_{max} 411 nm

Aldrich: 22916-4

Fluka: 78164

Rare Chemicals Library: S64849-3

>>Derivative: *N*^α-Oxide

Synonym(s): 4-(Phenyl-*N,N,O*-azoxy)benzenamine, 9CI

CAS Registry Number: 95633-08-2

Molecular Formula: C₁₂H₁₁N₃O

Molecular Weight: 213.238

Accurate Mass: 213.090212

Percentage Composition: C 67.59%; H 5.20%; N 19.71%; O 7.50%

Physical Description: Orange prismatic leaflets

Melting Point: Mp 142° (138°)

Other Data: Oxidised on the azo *N*-atom proximal to the *p*-aminophenyl residue

>>Derivative: *N*^β-Oxide

Synonym(s): 4-(Phenyl-*O,N,N*-azoxy)benzenamine, 9CI

CAS Registry Number: 95633-07-1

Molecular Formula: C₁₂H₁₁N₃O

Molecular Weight: 213.238

Accurate Mass: 213.090212

Percentage Composition: C 67.59%; H 5.20%; N 19.71%; O 7.50%

Physical Description: Pale-yellow cryst.

Melting Point: Mp 136°

Other Data: Oxidised on the azo *N*-atom distal to the *p*-aminophenyl residue

References: