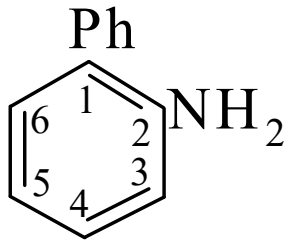
>>**Entry Name: 2-Aminobiphenyl**
Synonym(s): [1,1'-Biphenyl]-2-amine, 9CI



CAS Registry Number: 90-41-5

Molecular Formula: $C_{12}H_{11}N$
Molecular Weight: 169.226
Accurate Mass: 169.089149
Percentage Composition: C 85.17%; H 6.55%; N 8.28%
Use/Importance: Fluorogenic reagent for the detn. of carbonyl compds.
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 49-50°
Boiling Point: Bp 299°. Bp_{15} 170°. Bp_5 145-148°
Other Data: Steam-volatile
Hazard & Toxicity: Autoignition temp. 450°. LD_{50} (rat, orl) 2340 mg/kg

Aldrich: A4240-9
Fluka: 7110
Sigma: A1129

>>**Derivative:** Hydrochloride

CAS Registry Number: 2185-92-4
Physical Description: Cryst.
Melting Point: Mp 180°
Hazard & Toxicity: Exp. carcinogen

Rare Chemicals Library: S41293-7

>>**Derivative:** *N*-Formyl
Synonym(s): *N*-[1,1'-Biphenyl]-2-ylformamide, 9CI

CAS Registry Number: 5346-21-4
Molecular Formula: $C_{13}H_{11}NO$
Molecular Weight: 197.236
Accurate Mass: 197.084064
Percentage Composition: C 79.17%; H 5.62%; N 7.10%; O 8.11%
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 75°
Rare Chemicals Library: S84102-1

>>**Derivative:** *N*-Ac
Synonym(s): 2-Acetamidobiphenyl

CAS Registry Number: 2113-47-5
Molecular Formula: $C_{14}H_{13}NO$
Molecular Weight: 211.263
Accurate Mass: 211.099714
Percentage Composition: C 79.59%; H 6.20%; N 6.63%; O 7.57%
Physical Description: Needles (EtOH aq. or petrol)
Melting Point: Mp 121°
Boiling Point: Bp 355°

Rare Chemicals Library: S81126-2