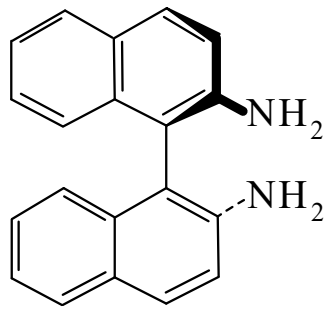
>>**Entry Name: 2,2'-Diamino-1,1'-binaphthyl**
Synonym(s): [1,1'-Binaphthalene]-2,2'-diamine, 9Cl. 2,2'-Diamino-1,1'-dinaphthyl. 1,1'-Bi[2-naphthylamine]



(*R*)-form

CAS Registry Number: 4488-22-6
Related CAS Registry Numbers(s): 93621-61-5 97644-73-0

Molecular Formula: $C_{20}H_{16}N_2$
Molecular Weight: 284.36
Accurate Mass: 284.131348
Percentage Composition: C 84.48%; H 5.67%; N 9.85%
Use/Importance: Intermediate for chiral auxiliaries
Hazard & Toxicity: Exp. tumourigen by skin contact. Dec. with emission of toxic fumes

>>**Variant:** (*R*)-form

CAS Registry Number: 18741-85-0
Molecular Formula: $C_{20}H_{16}N_2$
Molecular Weight: 284.36
Accurate Mass: 284.131348
Percentage Composition: C 84.48%; H 5.67%; N 9.85%
Melting Point: Mp 242.5-243°
Optical Rotation: $[\alpha]_D^{21}$+155.5 (c, 1 in Py). $[\alpha]_D^{18}$+46.8 (2*M* HCl)
Aldrich: 38242-6
Fluka: 32787

>>**Derivative:** *N,N*'-Di-Me
Synonym(s): 2,2'-Bis(methylamino)-1,1'-binaphthyl

CAS Registry Number: 93713-30-5
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%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 143-144°
Optical Rotation: $[\alpha]_D^{23}$+182 (c, 1.09 in C_6H_6)

>>**Derivative:** *N,N,N*',*N*'-Tetra-Me
Synonym(s): 2,2'-Bis(dimethylamino)-1,1'-binaphthyl

CAS Registry Number: 135029-77-5
Molecular Formula: $C_{24}H_{24}N_2$
Molecular Weight: 340.467
Accurate Mass: 340.193948
Percentage Composition: C 84.67%; H 7.10%; N 8.23%
Physical Description: Cryst. (EtOH/C_6H_6)
Melting Point: Mp 216-218°
Other Data: Characterised spectroscopically

>>**Derivative:** *N*-Ph

Molecular Formula: $C_{26}H_{20}N_2$
Molecular Weight: 360.457
Accurate Mass: 360.162648
Percentage Composition: C 86.64%; H 5.59%; N 7.77%
Melting Point: Mp 240-241°
Optical Rotation: $[\alpha]_D$ +131 (c, 0.4 in THF)