



>>Entry Name: 4,4'-Diamino-2,2'-biphenyldicarboxylic acid

Synonym(s): 4,4'-Diaminodiphenic acid, 8Cl. Benzidine-2,2'-dicarboxylic acid

CAS Registry Number: 17557-76-5

Molecular Formula: $C_{14}H_{12}N_2O_4$

Molecular Weight: 272.26

Accurate Mass: 272.079708

Percentage Composition: C 61.76%; H 4.44%; N 10.29%; O 23.51%

Use/Importance: Polymer intermediate

Physical Description: Needles

Melting Point: Mp 265°

>>Derivative: Anhydride, *N,N'*-Di-Ac

Molecular Formula: $C_{18}H_{14}N_2O_5$

Molecular Weight: 338.319

Accurate Mass: 338.090273

Percentage Composition: C 63.90%; H 4.17%; N 8.28%; O 23.65%

Physical Description: Needles (Ac₂O)

Melting Point: Mp 300°

References:

Schmidt, J. *et al.*, *Ber.*, 1905, **28**, 3771, (*synth*)

Adkins, H. *et al.*, *J.A.C.S.*, 1917, **46**, 1924, (*synth*)

Patel, H.R. *et al.*, *J. Am. Pharm. Assoc.*, 1957, **46**, 51, (*synth*)