



>>Entry Name: **2,2-Bis(4-aminophenyl)-1,1,1,3,3,3-hexafluoropropane**

Synonym(s): 4,4'-[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]bisbenzenamine, 9Cl. 4,4'-(Hexafluoroisopropylidene)dianiline, 8Cl

CAS Registry Number: 1095-78-9

Molecular Formula: $C_{15}H_{12}F_6N_2$

Molecular Weight: 334.264

Accurate Mass: 334.090466

Percentage Composition: C 53.90%; H 3.62%; F 34.10%; N 8.38%

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 195-198°

pKa Value: pK_{a1} 3.1; pK_{a2} 2.92

Aldrich: 36814-8

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

CAS Registry Number: 1104-76-3

Molecular Formula: $C_{19}H_{16}F_6N_2O_2$

Molecular Weight: 418.338

Accurate Mass: 418.111596

Percentage Composition: C 54.55%; H 3.85%; F 27.25%; N 6.70%; O 7.65%

Physical Description: Cryst. (C_6H_6 /EtOH)

Melting Point: Mp 239°

References:

U.S. Pat., 1963, 3 310 573; *CA*, **68**, 14078x, (*synth, N-Ac*)

Balyatinskaya, L.N. *et al.*, *Zh. Obshch. Khim.*, 1978, **48**, 870; *J. Gen. Chem. USSR (Engl. Transl.)*, 1978, **48**, 794, (*pKa*)

Lau, K.S.Y. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1982, **20**, 2381, (*synth, ir, pmr*)

U.S. Pat., 1983, 4 370 501; *CA*, **98**, 178918s, (*synth, ir, pmr*)