



>>Entry Name: **1,8-Pyrenediamine**

Synonym(s): 1,8-Diaminopyrene. 3,10-Diaminopyrene (obsol.)

CAS Registry Number: 30269-04-6

Molecular Formula: $C_{16}H_{12}N_2$

Molecular Weight: 232.284

Accurate Mass: 232.100048

Percentage Composition: C 82.73%; H 5.21%; N 12.06%

Melting Point: Mp 176.5-177° (160-162°)

>>Derivative: Di-*N*-Ac

Molecular Formula: $C_{20}H_{16}N_2O_2$

Molecular Weight: 316.359

Accurate Mass: 316.121178

Percentage Composition: C 75.93%; H 5.10%; N 8.85%; O 10.11%

Other Data: Darkens =350°

References:

Vollmann, H. *et al.*, *Annalen*, 1937, **531**, 1, (*synth*)

Gerasimenko, Yu.E. *et al.*, *J. Org. Chem. USSR (Engl. Transl.)*, 1970, **6**, 2330, (*synth*)

Hansen, P.E. *et al.*, *Acta Chem. Scand., Ser. B*, 1981, **35**, 131, (*ir*)

Shudo, K. *et al.*, *Chem. Pharm. Bull.*, 1984, **32**, 1992, (*synth*)