



>>Entry Name: *N,N'*-Dibenzylthiourea, 8Cl

Synonym(s): *N,N'*-Bis(phenylmethyl)thiourea, 9Cl. Thiodiamin

CAS Registry Number: 1424-14-2

PhCH2NHCSNHCH2Ph

Molecular Formula: $C_{15}H_{16}N_2S$

Molecular Weight: 256.371

Accurate Mass: 256.103418

Percentage Composition: C 70.28%; H 6.29%; N 10.93%; S 12.51%

Source/Synthesis: Obt. from bark of *Crataegus roxburghii* and from seeds of *Salvadora oleoides*

Physical Description: Leaflets or plates (EtOH)

Melting Point: Mp 147-148°

Solubility: Insol. H_2O , sol. EtOH, Et_2O

Rare Chemicals Library: S44094-9

References:

Underwood, H.G. *et al.*, *J.A.C.S.*, 1935, **57**, 1768, (*synth*)

Zetzsche, F. *et al.*, *Ber.*, 1940, **73**, 1114, (*synth*)

Chakravarti, R.N., *CA*, 1952, **46**, 3221

Aravindakshan, P.A. *et al.*, *Indian J. Chem.*, 1963, **1**, 395, (*synth*)

Ramnathan, A. *et al.*, *Acta Cryst. C*, 1996, **52**, 139-142, (*cryst struct*)