



>>Entry Name: Benzylthiourea, 8Cl

Synonym(s): (Phenylmethyl)thiourea, 9Cl. Benzylthiocarbamide. Carpasemine

CAS Registry Number: 621-83-0

PhCH₂NHCSNH₂

Molecular Formula: C₈H₁₀N₂S

Molecular Weight: 166.246

Accurate Mass: 166.056468

Percentage Composition: C 57.80%; H 6.06%; N 16.85%; S 19.29%

Source/Synthesis: Isol. from seeds of Mexican papaya

Melting Point: Mp 165°

Solubility: Spar. sol. cold EtOH

>>Derivative: Ac

Molecular Formula: C₁₀H₁₂N₂OS

Molecular Weight: 208.284

Accurate Mass: 208.067033

Percentage Composition: C 57.67%; H 5.81%; N 13.45%; O 7.68%; S 15.40%

Melting Point: Mp 13°

>>Derivative: Methiodide

Melting Point: Mp 103-105°

References:

Dixon, A.E., *J.C.S.*, 1891, 551, (*synth*)

Kaye, I.A. *et al.*, *J.A.C.S.*, 1952, **74**, 2271, (*synth*)

Ettlinger, M.G. *et al.*, *J.O.C.*, 1956, **21**, 204, (*isol, uv*)