



>>Entry Name: Amidinothiourea

Synonym(s): (Aminoiminomethyl)thiourea, 9Cl. Guanylthiourea. Thiodicyanodiamidine. 2-Imino-4-thiobiuret. Gutimine

CAS Registry Number: 2114-02-5

HN=C(NH2)NHCSNH2

Molecular Formula: C₂H₆N₄S

Molecular Weight: 118.162

Accurate Mass: 118.031316

Percentage Composition: C 20.33%; H 5.12%; N 47.42%; S 27.14%

Physical Description: Prisms or cryst. (MeOH)

Melting Point: Mp 170-172 dec.°

Aldrich: 33467-7

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 1349C, (*nmr*)

Birtwell, S. *et al.*, *J.C.S.*, 1948, 1653, (*synth*)

Kurzer, F., *J.C.S.*, 1955, 1, (*synth*)

Org. Synth., Coll. Vol., 4, 1963, 502, (*synth*)

Yamamoto, T. *et al.*, *Org. Prep. Proced. Int.*, 1994, **26**, 555, (*synth*)

Tari, P. *et al.*, *Org. Prep. Proced. Int.*, 1995, **27**, 697, (*synth, pmr, cmr*)