



---

>>Entry Name: (3-Nitrophenyl)thiourea, 9Cl

Synonym(s): 1-(*m*-Nitrophenyl)-2-thiourea, 8Cl

CAS Registry Number: 709-72-8

Molecular Formula: C<sub>7</sub>H<sub>7</sub>N<sub>3</sub>O<sub>2</sub>S

Molecular Weight: 197.217

Accurate Mass: 197.025897

Percentage Composition: C 42.63%; H 3.58%; N 21.31%; O 16.23%; S 16.26%

Melting Point: Mp 120-125°. Mp 158-160 dec.°

pKa Value: pK<sub>a</sub> 11.1 (25°, H<sub>2</sub>O) pK<sub>a</sub> 15.32 (25°, MeOH)

**References:**

Dyson, G.M. *et al.*, *J.C.S.*, 1924, **125**, 1707

Shimotani, M., *Yakugaku Zasshi*, 1952, **72**, 328

Vel'tman, R.P., *CA*, 1957, **51**, 4358c

Kavalek, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1983, **48**, 1430, (*pka*)