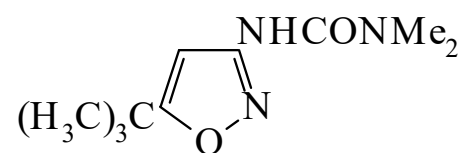




>>Entry Name: **Isouron**, ANSI, BSI, ISO, WSSA

Synonym(s): *N*'-[5-(1,1-Dimethylethyl)-3-isoxazolyl]-*N,N*-dimethylurea, 9Cl. 3-(5-*tert*-Butyl-1,2-oxazol-3-yl)-1,1-dimethylurea. SSH-43



CAS Registry Number: 55861-78-4

Molecular Formula: C₁₀H₁₇N₃O₂

Molecular Weight: 211.263

Accurate Mass: 211.132077

Percentage Composition: C 56.85%; H 8.11%; N 19.89%; O 15.15%

Use/Importance: Herbicide. Photosynthetic electron transport inhibitor

Physical Description: Cryst.

Melting Point: Mp 119-120°

Hazard & Toxicity: LD₅₀ (rat, orl) 630 mg/kg

References:

Yukinaga, H. *et al.*, *Jpn. Pestic. Inf.*, 1980, **37**, 40, (*activity*)

Ishizuka, M. *et al.*, *J. Agric. Food Chem.*, 1982, **30**, 882, (*metab*)

Tao, E.V.P. *et al.*, *Org. Prep. Proced. Int.*, 1985, **17**, 235, (*synth*)

Pesticide Manual, 9th edn., 1991, No. 7560