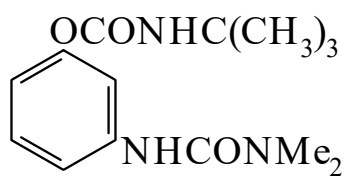




>>Entry Name: Karbutilate, ANSI, BSI, ISO, WSSA

Synonym(s): 3-[[[(Dimethylamino)carbonyl]amino]phenyl (1,1-dimethylethyl)carbamate, 9CI. 3-(3,3-Dimethylureido)phenyl *tert*-butylcarbamate. Tandex



CAS Registry Number: 4849-32-5

Molecular Formula: C₁₄H₂₁N₃O₃

Molecular Weight: 279.338

Accurate Mass: 279.158292

Percentage Composition: C 60.20%; H 7.58%; N 15.04%; O 17.18%

Use/Importance: Herbicide. Photosynth. electron transport inhibitor

Physical Description: Solid

Melting Point: Mp 176-176.5°

Hazard & Toxicity: LD₅₀ (rat, orl) 3000 mg/kg

References:

Netherlands Pat., 1965, 6 503 645; *CA*, **64**, 8082d, (*synth*)

Hagood, E.S. *et al.*, *Proc. Northeast. Weed Contr. Conf.*, 1969, **23**, 303, (*activity*)

Pesticide Manual, 10th edn., 1994, No. 1079

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DUM800