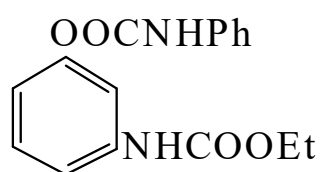




>>Entry Name: Desmedipham, ANSI, BSI, ISO, WSSA

Synonym(s): Ethyl [3-[[[(phenylamino)carbonyl]oxy]phenyl]carbamate, 9Cl. Ethyl 3-phenylcarbamoyloxyphenylcarbamate. Betanal AM. Betanex



CAS Registry Number: 13684-56-5

Molecular Formula: C₁₆H₁₆N₂O₄

Molecular Weight: 300.313

Accurate Mass: 300.111008

Percentage Composition: C 63.99%; H 5.37%; N 9.33%; O 21.31%

Use/Importance: Selective postemergent herbicide, low acute mammalian toxicity

Physical Description: Cryst.

Melting Point: Mp 120°

Hazard & Toxicity: LD₅₀ (rat, orl) 10250 mg/kg

References:

U.K. Pat., 1965, 1 127 050; *CA*, **66**, 104813w

Roeder, C.H. *et al.*, *Anal. Methods Pestic. Plant Growth Regul.*, 1978, **10**, 293, (rev)

Von Nehring, Q.G. *et al.*, *Anal. Chem.*, 1986, **58**, 2777, (detn)

Pesticide Manual, 9th edn., 1991, No. 3960

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A127

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, EEO500