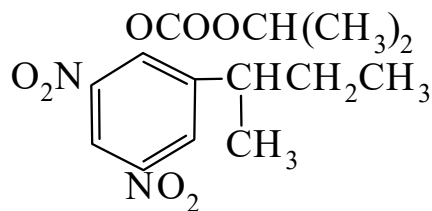




>>Entry Name: Dinobuton, BSI, ISO

Synonym(s): 1-Methylethyl 2-(1-methylpropyl)-4,6-dinitrophenylcarbonate, 9CI. 2-sec-Butyl-4,6-dinitrophenyl isopropyl carbonate, 8CI. 2-(1-Methylpropyl)-4,6-dinitrophenyl isopropyl carbonate. Acrex. Sytasol



CAS Registry Number: 973-21-7

Molecular Formula: C₁₄H₁₈N₂O₇

Molecular Weight: 326.305

Accurate Mass: 326.111403

Percentage Composition: C 51.53%; H 5.56%; N 8.59%; O 34.32%

Biological Use/Importance: Nonsystemic acaricide, fungicide, used esp. against powdery mildew and red spider mites

>>Variant: (±)-form

Molecular Formula: C₁₄H₁₈N₂O₇

Molecular Weight: 326.305

Accurate Mass: 326.111403

Percentage Composition: C 51.53%; H 5.56%; N 8.59%; O 34.32%

Physical Description: Pale yellow cryst. (EtOH)

Melting Point: Mp 59.5-61°

Hazard & Toxicity: LD₅₀ (rat, orl) 140 mg/kg

References:

- Pianka, M. *et al.*, *Chem. Ind. (London)*, 1965, 1216, (*synth*)
Hrivnak, J. *et al.*, *J. Chromatogr.*, 1965, **20**, 143, (*glc*)
Pianka, M., *J. Sci. Food Agric.*, 1966, **17**, 47-56, (*synth, biochem, sar*)
U.S. Pat., 1966, 3 234 082; *CA*, **64**, 15798h
Bandal, S.K. *et al.*, *J. Agric. Food Chem.*, 1972, **20**, 1235-1245, (*metab*)
Merck Index, 12th edn., 1996, 3337, (*props, bibl*)
Pesticide Manual, 11th edn., 1979, 249