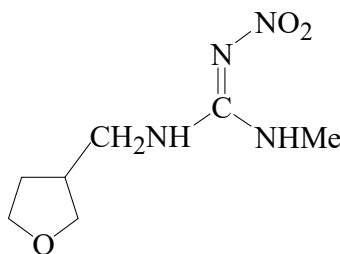




>>Entry Name: Dinotefuran, BSI

Synonym(s): *N*-Methyl-*N'*-nitro-*N''*-[(tetrahydro-3-furanyl)methyl]guanidine, 9Cl. MTI 446



CAS Registry Number: 165252-70-0

Molecular Formula: C₇H₁₄N₄O₃

Molecular Weight: 202.213

Accurate Mass: 202.106591

Percentage Composition: C 41.58%; H 6.98%; N 27.71%; O 23.74%

Biological Use/Importance: Nicotinic acetylcholine receptor agonist. Insecticide

Hazard & Toxicity: LD₅₀ (male rat, orl) 2804 mg/kg

Other: Mitsui

>>Variant: (±)-form

Molecular Formula: C₇H₁₄N₄O₃

Molecular Weight: 202.213

Accurate Mass: 202.106591

Percentage Composition: C 41.58%; H 6.98%; N 27.71%; O 23.74%

Melting Point: Mp 95-102°

References:

Eur. Pat., 1995, 649 845; *CA*, **123**, 111837f, (*synth, activity*)

Kodaka, K. *et al.*, *Brighton Crop Prot. Conf. - Pests Dis.*, 1998, 21-26, (*activity*)

Pesticide Manual, 12th edn., 2000, No. 265