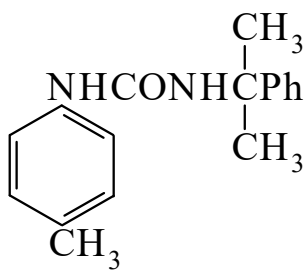




>>Entry Name: *N*-(4-Methylphenyl)-*N'*-(1-methyl-1-phenylethyl)urea, 9Cl

Synonym(s): 1-(1-Methyl-1-phenylethyl)-3-*p*-tolylurea. 1-(α,α -Dimethylbenzyl)-3-*p*-tolylurea. **Daimuron**, BSI. Dymron. Showrone. K 223



CAS Registry Number: 42609-52-9

Molecular Formula: C₁₇H₂₀N₂O

Molecular Weight: 268.358

Accurate Mass: 268.157563

Percentage Composition: C 76.09%; H 7.51%; N 10.44%; O 5.96%

Use/Importance: Herbicide. Cell division inhibitor

Physical Description: Needles

Melting Point: Mp 203.4°

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg

References:

Takematsu, T. *et al.*, *Weed Sci.*, 1975, **23**, 15, (activity)

Okafor, L.I. *et al.*, *Weed Res.*, 1976, **16**, 1, (activity)

Tashiro, M., *Jpn. Pestic. Inf.*, 1979, **36**, 40, (props)

U.S. Pat., 1986, 4 578 513; *CA*, **105**, 78685h, (synth, activity)

Pesticide Manual, 9th edn., 1991, 221

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DQQ700