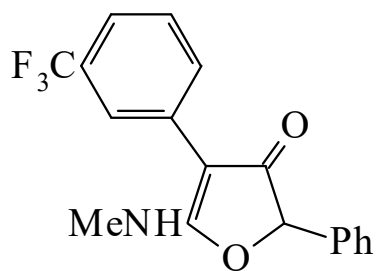




>>Entry Name: Flurtamone, ANSI, BSI

Synonym(s): 5-(Methylamino)-2-phenyl-4-[3-(trifluoromethyl)phenyl]-3(2*H*)-furanone, 9Cl. 5-(Methylamino)-2-phenyl-4-(α,α,α -trifluoro-*m*-tolyl)-3(2*H*)-furanone. RE 40885



Related CAS Registry Number(s): 96525-48-3

Molecular Formula: C₁₈H₁₄F₃NO₂

Molecular Weight: 333.309

Accurate Mass: 333.097663

Percentage Composition: C 64.86%; H 4.23%; F 17.10%; N 4.20%; O 9.60%

Use/Importance: Broadleaf herbicide. Carotenoid synth. inhibitor

>>Variant: ($\pm$)-form

CAS Registry Number: 96525-23-4

Molecular Formula: C₁₈H₁₄F₃NO₂

Molecular Weight: 333.309

Accurate Mass: 333.097663

Percentage Composition: C 64.86%; H 4.23%; F 17.10%; N 4.20%; O 9.60%

Physical Description: Ivory powder. Cryst. (EtOH)

Melting Point: Mp 152-155°

Hazard & Toxicity: LD₅₀ (rat, orl) 500 mg/kg

References:

Ger. Pat., 1984, 3 422 346; *CA*, **103**, 53947r, (*synth, activity*)

Rogers, D.D. *et al.*, *Proc. Br. Crop Prot. Conf. Weeds*, 1987, 69, (*activity*)

Pesticide Manual, 9th edn., 1991, No. 6662

Pèpe, G. *et al.*, *Acta Cryst. C*, 1996, **52**, 1514, (*cryst struct*)