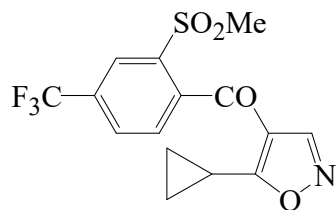




>>Entry Name: Isoxaflutole, BSI

Synonym(s): (5-Cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone, 9CI. Balance. Merlin. RPA 201772



CAS Registry Number: 141112-29-0

Molecular Formula: C₁₅H₁₂F₃NO₄S

Molecular Weight: 359.325

Accurate Mass: 359.043913

Percentage Composition: C 50.14%; H 3.37%; F 15.86%; N 3.90%; O 17.81%; S 8.92%

Biological Use/Importance: *p*-Hydroxyphenylpyruvate dioxygenase inhibitor. Herbicide. Used for broad-leaved weed control in maize

Physical Description: Solid

Melting Point: Mp 140°

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

Other: Aventis

References:

Eur. Pat., 1992, *Rhone-Poulenc*, 470 856; *CA*, **116**, 214485z, (*synth, activity*)

Luscombe, B.M. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1995, 35-42, (*activity*)

Pesticide Manual, 12th edn., 2000, No. 467