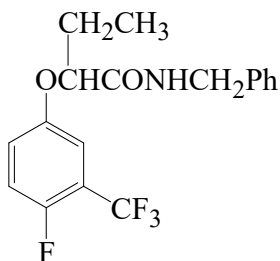




>>Entry Name: Bflubutamid, BSI

Synonym(s): 2-[4-Fluoro-3-(trifluoromethyl)phenoxy]-*N*-(phenylmethyl)butanamide. *N*-Benzyl-2-($\alpha,\alpha,\alpha,4$ -tetrafluoro-*m*-tolylloxy)butyramide. UBH 820



CAS Registry Number: 113614-08-7

Related CAS Registry Numbers(s): 113614-09-8

Molecular Formula: C₁₈H₁₇F₄NO₂

Molecular Weight: 355.331

Accurate Mass: 355.119541

Percentage Composition: C 60.84%; H 4.82%; F 21.39%; N 3.94%; O 9.01%

Biological Use/Importance: Herbicide. Blocks carotenoid biosynth.

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

Other: Ube

>>Variant: (±)-form

CAS Registry Number: 113614-30-5

Molecular Formula: C₁₈H₁₇F₄NO₂

Molecular Weight: 355.331

Accurate Mass: 355.119541

Percentage Composition: C 60.84%; H 4.82%; F 21.39%; N 3.94%; O 9.01%

Physical Description: Powder

Melting Point: Mp 75°

References:

Eur. Pat., 1987, 239 414; *CA*, **108**, 150065n, (*synth, activity*)

Takamura, S. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1999, 41-46, (*activity*)

Pesticide Manual, 12th edn., 2000, No. 57