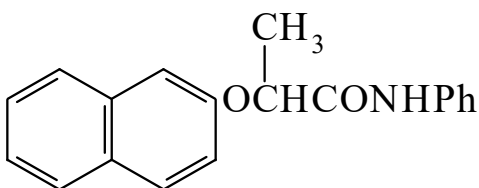




>>Entry Name: Naproanilide, JMAF

Synonym(s): 2-(2-Naphthalenyloxy)-*N*-phenylpropanamide, 9Cl. *N*-Pheny-2-(2-naphthyloxy)propionamide. α -(2-Naphthoxy)propionanilide. Uribest



CAS Registry Number: 52570-16-8

Related CAS Registry Numbers(s): 17502-50-0

Molecular Formula: C₁₉H₁₇NO₂

Molecular Weight: 291.349

Accurate Mass: 291.125929

Percentage Composition: C 78.33%; H 5.88%; N 4.81%; O 10.98%

>>Variant: (–)-form

Molecular Formula: C₁₉H₁₇NO₂

Molecular Weight: 291.349

Accurate Mass: 291.125929

Percentage Composition: C 78.33%; H 5.88%; N 4.81%; O 10.98%

Melting Point: Mp 148°

Optical Rotation: $[\alpha]_D^{20} -13.9$ (Me₂CO)

>>Variant: (±)-form

Molecular Formula: C₁₉H₁₇NO₂

Molecular Weight: 291.349

Accurate Mass: 291.125929

Percentage Composition: C 78.33%; H 5.88%; N 4.81%; O 10.98%

Use/Importance: Herbicide

Physical Description: Cryst.

Melting Point: Mp 128°

Hazard & Toxicity: LD₅₀ (rat, orl) > 15000 mg/kg

References:

Jacques, J. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1967, **265**, 260, (*resoln*)

Fujisawa, S., *Jpn. Pestic. Inf.*, 1981, **39**, 19, (*activity*)

Yoshimoto, T. *et al.*, *CHEMTECH.*, 1989, **19**, 431, (*synth*)

Pesticide Manual, 9th edn., 1991, No. 8835