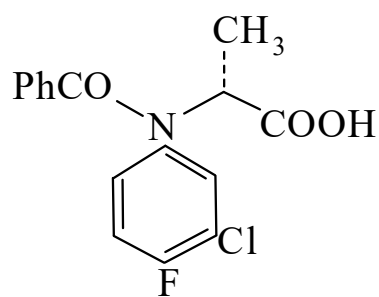




>>Entry Name: **Flamprop**, BSI, ISO, WSSA

Synonym(s): *N*-Benzoyl-*N*-(3-chloro-4-fluorophenyl)alanine, 9CI



(R)-form

CAS Registry Number: 58667-63-3

Related CAS Registry Numbers(s): 57353-42-1 57973-66-7

Molecular Formula: C₁₆H₁₃ClFNO₃

Molecular Weight: 321.735

Accurate Mass: 321.056799

Percentage Composition: C 59.73%; H 4.07%; Cl 11.02%; F 5.90%; N 4.35%; O 14.92%

General Statement: Stereoisomers confused in the older lit.

>>Variant: *(R)*-form

Synonym(s): Flamprop M, BSI, ISO

CAS Registry Number: 90134-59-1

Molecular Formula: C₁₆H₁₃ClFNO₃

Molecular Weight: 321.735

Accurate Mass: 321.056799

Percentage Composition: C 59.73%; H 4.07%; Cl 11.02%; F 5.90%; N 4.35%; O 14.92%

Use/Importance: Herbicide

>>Derivative: Me ester

Synonym(s): Mataven L

CAS Registry Number: 63729-98-6

Molecular Formula: C₁₇H₁₅ClFNO₃

Molecular Weight: 335.761

Accurate Mass: 335.072449

Percentage Composition: C 60.81%; H 4.50%; Cl 10.56%; F 5.66%; N 4.17%; O 14.30%

Use/Importance: Herbicide

>>Derivative: Isopropyl ester

Synonym(s): Flamprop-M-isopropyl. Suffix BW. Commando

CAS Registry Number: 63782-90-1

Molecular Formula: C₁₉H₁₉ClFNO₃

Molecular Weight: 363.815

Accurate Mass: 363.103749

Percentage Composition: C 62.73%; H 5.26%; Cl 9.74%; F 5.22%; N 3.85%; O 13.19%

Use/Importance: Herbicide. Used in the control of *Avena fatua*

Physical Description: Cryst.

Melting Point: Mp 72.5-74.5°

Hazard & Toxicity: LD₅₀ (rat, orl) >4000 mg/kg

>>Variant: *(S)*-form

Molecular Formula: C₁₆H₁₃ClFNO₃

Molecular Weight: 321.735

Accurate Mass: 321.056799

Percentage Composition: C 59.73%; H 4.07%; Cl 11.02%; F 5.90%; N 4.35%; O 14.92%

>>Derivative: Isopropyl ester

Synonym(s): Effix

CAS Registry Number: 57973-67-8