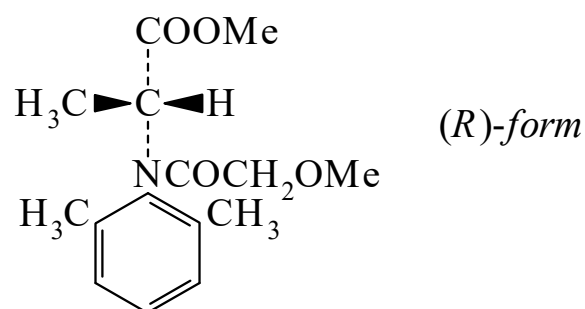




>>Entry Name: Metalaxyl, BSI

ENTRY UNDER REVIEW

Synonym(s): Methyl *N*-(2-methoxyacetyl)-*N*-(2,6-dimethylphenyl)alaninate, 9CI. Apron. Ridomil. CGA 48988



CAS Registry Number: 57837-19-1

Molecular Formula: C₁₅H₂₁NO₄

Molecular Weight: 279.335

Accurate Mass: 279.147059

Percentage Composition: C 64.50%; H 7.58%; N 5.01%; O 22.91%

>>Variant: (*R*)-form

CAS Registry Number: 70630-17-0

Molecular Formula: C₁₅H₂₁NO₄

Molecular Weight: 279.335

Accurate Mass: 279.147059

Percentage Composition: C 64.50%; H 7.58%; N 5.01%; O 22.91%

Use/Importance: More active enantiomer

Physical Description: Oil

Optical Rotation: $[\alpha]_{\text{D}}^{20} -55$ (c, 1.89 in Me₂CO)

>>Variant: (±)-form

Molecular Formula: C₁₅H₂₁NO₄

Molecular Weight: 279.335

Accurate Mass: 279.147059

Percentage Composition: C 64.50%; H 7.58%; N 5.01%; O 22.91%

Use/Importance: Systemic agricultural fungicide

Physical Description: Cryst. solid

Melting Point: Mp 71-72°

Solubility: Sol. most org. solvs.; sl. sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 669 mg/kg

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