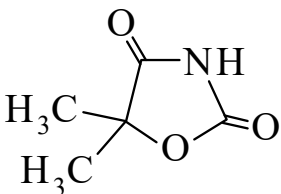




>>Entry Name: 5,5-Dimethyl-2,4-oxazolidinedione, 9CI, 8CI

Synonym(s): Dimethadione, INN, USAN, Dimetadione, Eupractone, NSC 30152, Bax 1400Z



CAS Registry Number: 695-53-4

Type of Compound Code(s): XA1400

Molecular Formula: C₅H₇NO₃

Molecular Weight: 129.115

Accurate Mass: 129.042594

Percentage Composition: C 46.51%; H 5.46%; N 10.85%; O 37.17%

Use/Importance: Anticonvulsant

Melting Point: Mp 76-77°

pKa Value: pK_a 6.2

Calculated Log P Data: Log P 0.51 (calc)

Aldrich: 21900-2

Sigma: D7631

>>Derivative: N-Me

see 3,5,5-Trimethyl-2,4-oxazolidinedione, [CTM84-G](#)

>>Derivative: N-(3,5-Dichlorophenyl)

Synonym(s): Dichlozoline, Sclex

CAS Registry Number: 24201-58-9

Molecular Formula: C₁₁H₉Cl₂NO₃

Molecular Weight: 274.102

Accurate Mass: 272.995948

Percentage Composition: C 48.20%; H 3.31%; Cl 25.87%; N 5.11%; O 17.51%

Use/Importance: Fungicide, now superseded

Melting Point: Mp 167-168°

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