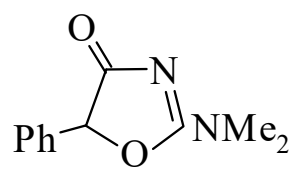




>>Entry Name: **2-(Dimethylamino)-5-phenyl-4(5H)-oxazolone**, 9CI

Synonym(s): 2-(Dimethylamino)-5-phenyl-2-oxazolin-4-one, 8CI. **Thozalinone**, USAN. Tozalinone, INN. Stimsen. CL 39808



CAS Registry Number: 655-05-0

Type of Compound Code(s): XA1450

Molecular Formula: C₁₁H₁₂N₂O₂

Molecular Weight: 204.228

Accurate Mass: 204.089878

Percentage Composition: C 64.69%; H 5.92%; N 13.72%; O 15.67%

Use/Importance: Antidepressant

Melting Point: Mp 133-136°

pKa Value: pK_a 0.54

Hazard & Toxicity: LD₅₀ (rat, orl) >3000 mg/kg; LD₅₀ (rat, ipr) 1240 mg/kg

References:

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Najer, H. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1965, **260**, 4343

Lindberg, U.H. *et al.*, *Acta Pharm. Suec.*, 1968, **5**, 15, (*synth, pharmacol*)