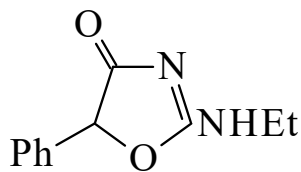




>>Entry Name: **2-(Ethylamino)-5-phenyl-4(5H)-oxazolone**, 9CI

Synonym(s): 2-Ethylamino-4-oxo-5-phenyl-2-oxazoline, 8CI. **Fenozolone**, INN. LD 3394. Ordinator. Energiser. Ethyl pemoline. Phenzolane



CAS Registry Number: 15302-16-6

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: Psychostimulant, anorectic agent

Hazard & Toxicity: LD₅₀ (mus, orl) 425 mg/kg. LD₅₀ (mus, ipr) 175 mg/kg

>>Variant: (±)-form

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%

Melting Point: Mp 148°

References:

Ger. Pat., 1969, *Laboratoire Dausse*, 1 297 108; *CA*, **71**, 70586k, (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1370