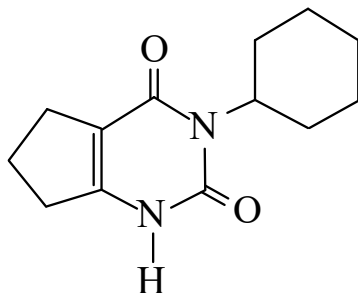




>>Entry Name: Lenacil, ANSI, BSI, ISO, JMAF, WSSA

Synonym(s): 3-Cyclohexyl-6,7-dihydro-1*H*-cyclopentapyrimidine-2,4(3*H*,5*H*)-dione, 9Cl, 8Cl. 3-Cyclohexyl-5,6-trimethyleneuracil. 3-Cyclohexyl-1,5,6,7-tetrahydro-2*H*-cyclopentapyrimidine-2,4(3*H*)-dione. 3-Cyclohexyl-2,4-dioxo-1,2,3,4,6,7-hexahydro-5*H*-cyclopenta[*d*]pyrimidine. Venzar. Hexilure. Elbatan. Buracyl



CAS Registry Number: 2164-08-1

Molecular Formula: C₁₃H₁₈N₂O₂

Molecular Weight: 234.297

Accurate Mass: 234.136828

Percentage Composition: C 66.64%; H 7.74%; N 11.96%; O 13.66%

Use/Importance: Herbicide, low acute toxicity

Physical Description: Solid

Melting Point: Mp 290°. Mp 316-317°

Solubility: Sol. H₂O, Py; spar. sol. most org. solvs.

Rare Chemicals Library: S1445-2

References:

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Senda, S. *et al.*, *Chem. Pharm. Bull.*, 1973, **21**, 1894, (*synth, pharmacol*)

Hoffman, C.E., *CA*, 1974, **80**, 23395y, (*rev*)

Eckstein, Z. *et al.*, *Przem. Chem.*, 1980, **59**, 541; *CA*, **94**, 192252u, (*synth*)

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Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A246