

Product Data Sheet

Product Name: Lenacil
Cat. No.: GC70427

Chemical Properties

Cas. No. 2164-08-1

Formula $C_{13}H_{18}N_2O_2$ M.Wt 234.29

Solubility DMSO : 8.33 mg/mL (35.55 mM);
ultrasonic and warming and heat to
60°C; Hygroscopic DMSO has a
significant impact on the solubility of
product, please use newly opened
DMSO)

Storage 4°C, sealed storage, away from
moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the
ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or
blue ice upon request.

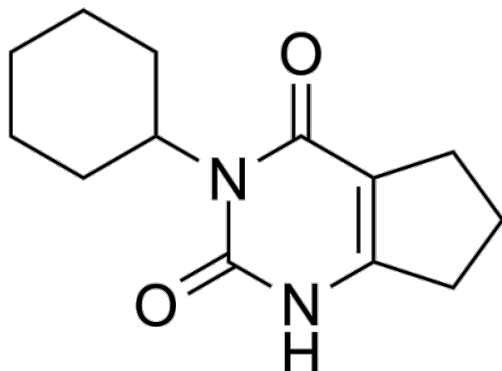
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Lenacil is a selective uracil substituted herbicide used for control of both annual grasses, broad leafed weeds and some perennial weeds in sugarcane, apples, alfalfa, peaches, peacans, peppermints (*Mentha piperita*) and sugar beets. Lenacil can inhibit photosynthesis.

References:

- [1]. T Thriveni, et al. Behaviour and Quantification Studies of Terbacil and Lenacil in Environmental Samples Using Cyclic and Adsorptive Stripping Voltammetry at Hanging Mercury Drop Electrode. *Environ Monit Assess.* 2007 May;128(1-3):359-68.
- [2]. E Mechant, et al. Metamitron-resistant *Chenopodium Album* From Sugar Beet: Cross-Resistance Profile. *Commun Agric Appl Biol Sci.* 2006;71(3 Pt A):725-32.

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