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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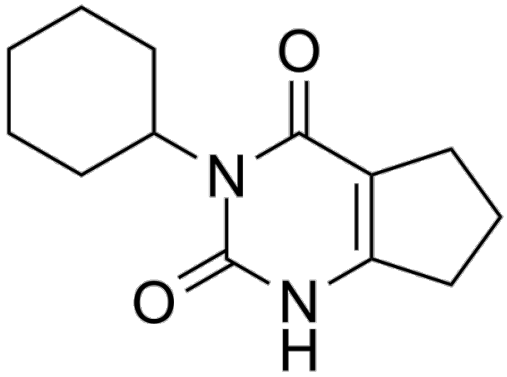
Structure



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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