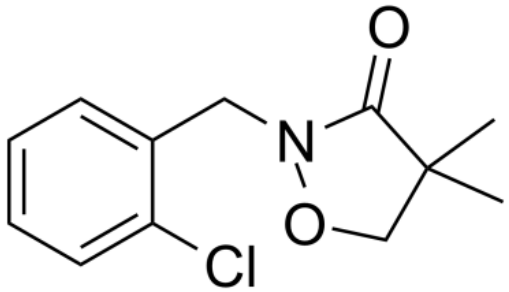
Product Data Sheet

Product Name: Clomazone
Cat. No.: GC39682

Chemical Properties

Cas. No.	81777-89-1		
SMILES	O=C1N(CC2=CC=CC=C2Cl)OCC1(C)C		
Formula	$C_{12}H_{14}ClNO_2$	M.Wt	239.7
Solubility	DMF: 33 mg/ml,DMSO: 16 mg/ml,Ethanol: 33 mg/ml,PBS (pH 7.2): 1 mg/ml	Storage	Store at -20°C
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.		

Structure



Background

Clomazone is a broad spectrum herbicide used for control of annual grasses and broadleaf weeds in cotton, peas, pumpkins, soybeans, sweet potatoes, and tobacco[1].

[1]. Ewa Szpyrka , et al. Influence of a Commercial Biological Fungicide ContainingTrichoderma harzianum Rifai T-22 on Dissipation Kinetics and Degradation of Five Herbicides in Two Types of

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Soil. Molecules. 2020 Mar 18;25(6):1391.