
Product Data Sheet

Product Name: Quinclorac

Cat. No.: GC61230

Chemical Properties

Cas. No. 84087-01-4

SMILES O=C(C1=C2N=CC(Cl)=CC2=CC=C1Cl)OFormula C10H5Cl2NO2

M.Wt 242.06

Solubility DMSO : 125 mg/mL (516.40 mM; ultrasonic and warming and heat to 60°C)

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**

Quinclorac, an herbicide widely applied in agriculture, induces oxidative stress due to free radical generation and changes in the antioxidant defense system[1].

[1]. Cavalheiro de Menezes C, et al. The effects of diphenyl diselenide on oxidative stress biomarkers in *Cyprinus carpio* exposed to herbicide quinclorac (Facet®). *Ecotoxicol Environ Saf.* 2012;81:91-97.

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

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