

Product Data Sheet

Product Name: Diafenthuron

Cat. No.: GC60765

Chemical Properties

Cas. No. 80060-09-9

SMILES S=C(NC(C)(C)C)NC1=C(C(C)C)C=C(OC2=CC=CC=C2)C=C1C(C)C

Formula $C_{23}H_{32}N_2OS$ M.Wt 384.58

Solubility DMSO: 100 mg/mL (260.02 mM); Storage Store at -20°C
Water: < 0.1 mg/mL (insoluble)

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.

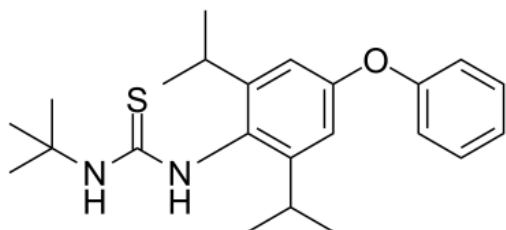
Caution: Product has not been fully validated for medical applications. For research use only.

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

Product Data Sheet

Structure



Background

Diafenthiuron is a thiourea compound commonly used pesticide. Diafenthiuron inhibits mitochondrial functioning in insect pests[1].

[1]. Muhammad Riaz-Ul-Haq, et al. Effect of Diafenthiuron exposure under short and long term experimental conditions on hematology, serum biochemical profile and elemental composition of a non-target organism, *Labeo rohita*. *Environ Toxicol Pharmacol*. 2018 Sep;62:40-45.

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