

Product Data Sheet

Product Name: Iodosulfuron-methyl sodium

Cat. No.: GC81450

Chemical Properties

Cas. No. 144550-36-7

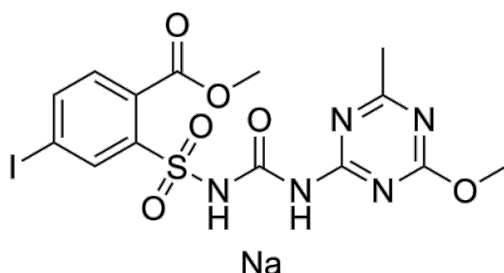
Formula $C_{14}H_{14}IN_5NaO_6S$ M.Wt 530.25

Solubility 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

Iodosulfuron-methyl sodium is a sulfonylurea herbicide. Iodosulfuron-methyl sodium controls grass weeds in winter wheat and winter barley [1].

In Vitro, Iodosulfuron-methyl sodium shows wide variability in aerobic dark soil dissipation rates across soils, with field-normalised DT50 averaging 2.7 days [1]. Iodosulfuron-methyl sodium is highly toxic to aquatic higher plants, with low toxicity to fish [1]. Iodosulfuron-methyl sodium shows low toxicity to bees and soil organisms, but posed high risk to terrestrial non-target plants [1].

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

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References:

[1]. European Food Safety Authority (EFSA). Peer review of the pesticide risk assessment of the active substance iodosulfuron-methyl-sodium (approved as iodosulfuron)[J]. EFSA Journal, 2016, 14(4): 4453.

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