

Product Data Sheet

Product Name: Tolpyralate

Cat. No.: GC81451

Chemical Properties

Cas. No. 1101132-67-5

Formula $C_{21}H_{28}N_2O_9S$

M.Wt 484.52

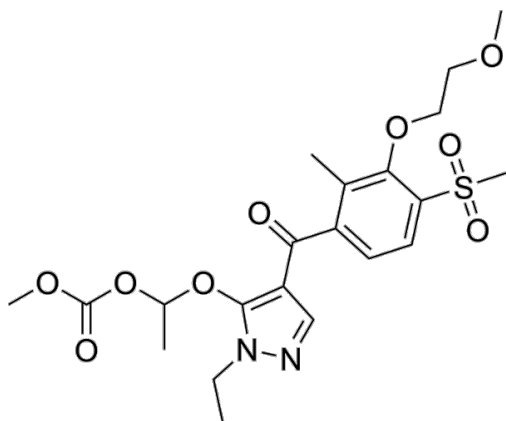
Solubility

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

Tolpyralate is a selective post-emergence herbicide and corn Herbicide. Tolpyralate inhibits 4-HPPD. Tolpyralate exhibits herbicidal activity against a variety of weeds, including the glyphosate-resistant weed *Amaranthus tuberculatus* [1].

In Vitro, Tolpyralate (30-50 g a.i./ha) provides 81-100% control efficacy against most annual grassy and broadleaf weeds in field-grown corn, and only exhibits moderate control efficacy (52-63%) against *Ipomoea hederacea* [1].

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

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References:

[1]. Tsukamoto M, et al. Discovery and structure optimization of a novel corn herbicide, tolpyralate. J Pestic Sci. 2021;46(2):152-159.

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