

Product Data Sheet

Product Name: Dicloromezotiaz

Cat. No.: GC70918

Chemical Properties

Cas. No. 1263629-39-5

Formula $C_{19}H_{12}Cl_3N_3O_2S$ M.Wt 452.74

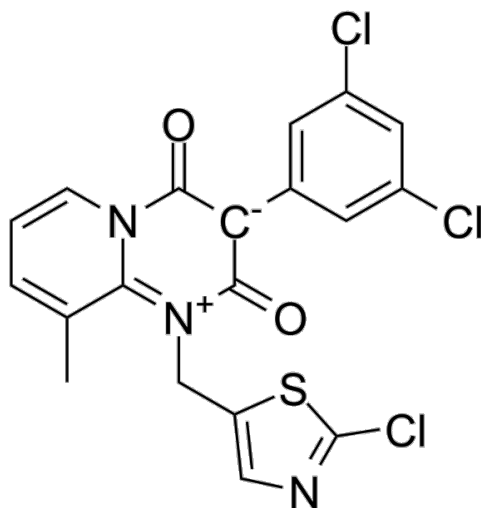
Solubility DMSO : 100 mg/mL (220.88 mM; ultrasonic and warming and heat to 80°C; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

Storage -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

Dicloromezotiaz is a potent insecticide acting on nicotinic acetylcholine receptors (nAChRs). Dicloromezotiaz can be used to control a broad range of lepidoptera.

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

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Dicloromezotiaz is a antagonist of insect nAChR channel^[1].

References:

[1]. Montgomery M, et al. Structural Biology-Guided Design, Synthesis, and Biological Evaluation of Novel Insect Nicotinic Acetylcholine Receptor Orthosteric Modulators [published correction appears in J Med Chem. 2022 Mar 10;65(5):4401-4402]. J Med Chem. 2022

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