
Product Data Sheet

Product Name: Tioxazafen

Cat. No.: GC70031

Chemical Properties

Cas. No. 330459-31-9

Formula $C_{12}H_8N_2OS$ M.Wt 228.27

Solubility Storage 4°C, protect from light

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

Tioxazafen is a disubstituted oxadiazole and a broad-spectrum seed treatment nematicide. Tioxazafen is designed to provide consistent broad-spectrum control of nematodes in corn, soy, and cotton^[1].

Tioxazafen has direct nematicidal activity against RKN (*M. incognita*) and SCN (*H. glycines*) and is as effective as nematicidal active ingredients of commercial standards in causing nematode mortality. Tioxazafen exhibits excellent activity against soybean cyst, root knot, and reniform nematodes in soy; lesion, root knot, and needle nematodes in corn; as well as reniform and root knot nematodes in cotton^[1].

[1]. Urszula Slomczynska, et al. Tioxazafen: A New Broad-Spectrum Seed Treatment Nematicide. Discovery and Synthesis of Crop Protection Products. 2015, Chapter 10: pp 129-147.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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