
Product Data Sheet

Product Name: Nicosulfuron

Cat. No.: GC61132

Chemical Properties

Cas. No. 111991-09-4

SMILES O=C(C1=CC=CN=C1S(=O)(NC(NC2=NC(OC)=CC(OC)=N2)=O)=O)N(C)CFormula $C_{15}H_{18}N_6O_6S$ M.Wt 410.41

Solubility DMSO: 50 mg/mL (121.83 mM) 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**

Nicosulfuron is a selective herbicide belonging to the sulfonyleurea family. Nicosulfuron is commonly used as a post-emergence herbicide to protect maize crops from weeds. Nicosulfuron inhibits acetolactate synthase (ALS) enzyme activity[1].

[1]. Louis Carles, et al. Nicosulfuron Degradation by an Ascomycete Fungus Isolated From Submerged Alnus Leaf Litter. Front Microbiol. 2018 Dec 19;9:3167.

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
