

Product Data Sheet

Product Name: (S,S,S)-Icafolin-methyl

Cat. No.: GC81431

Chemical Properties

Cas. No. 2254813-53-9

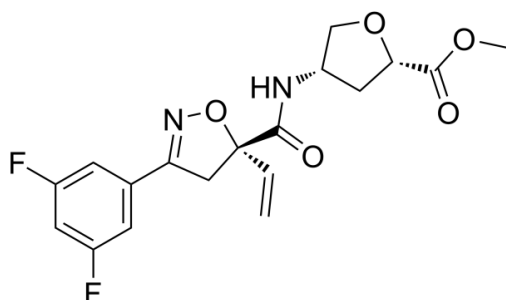
Formula $C_{18}H_{18}F_2N_2O_5$ M.Wt 380.34

Solubility DMSO: 100 mg/mL (262.92 mM; Need ultrasonic) 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

(S,S,S)-Icafolin-methyl is an isomer of Icafolin-methyl. Icafolin-methyl is a herbicide and plant β -tubulin (Microtubule/Tubulin) inhibitor. Icafolin-methyl binds to the β -tubulin region of the Colchicine binding site, thereby blocking the polymerization of plant tubulin. As a non-selective herbicide, Icafolin-methyl exhibits post-emergence activity against weeds in both cool-season and warm-season

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

Product Data Sheet

cropping systems, including resistant ryegrass and darnel biotypes. Icafolin-methyl can be used for herbicide research [1].

References:

[1]. Haaf KB, et al. The novel herbicide icafolin-methyl is a plant-specific inhibitor of tubulin polymerization. Pest Manag Sci. 2025;81(5):2652-2661.

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