

Product Data Sheet

Product Name: Mansonone E

Cat. No.: GC81429

Chemical Properties

Cas. No. 81845-40-1

Formula $C_{15}H_{14}O_3$ M.Wt 242.27

Solubility DMSO: 100 mg/mL (412.76 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.

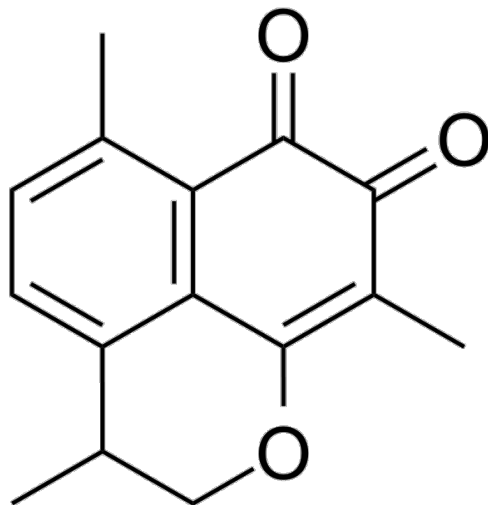
Caution: Product has not been fully validated for medical applications. For research use only.

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

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

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Structure



Background

Mansonone E (Compound 5) is a pesticide. Mansonone E can be isolated from heartwood of *Mansonia gagei*. Mansonone E has significant antifungal activity against *Cladosporium cucumerinum*, *Candida albicans* and *Phytophthora parasitica*. Mansonone E has potent antibacterial activity with MIC 50 s of both 7.8 µg/mL for *Xanthomonas oryzae* pv. *oryzae* and *X. oryzae* pv. *Oryzicola*. Mansonone E also has antifeedant and herbicidal activities [1] [2].

References:

- [1]. Tiew P, et al. Antifungal, antioxidant and larvicidal activities of compounds isolated from the heartwood of *Mansonia gagei*. *Phytother Res.* 2003 Feb;17(2):190-3.
- [2]. Mongkol R, et al. Antimicrobial, herbicidal and antifeedant activities of mansonone E from the heartwoods of *Mansonia gagei* Drumm[J]. *Journal of Integrative Agriculture*, 2016, 15(12): 2795-

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