Product Data Sheet

Product Name: Mansonone E
Cat. No.: GC81429

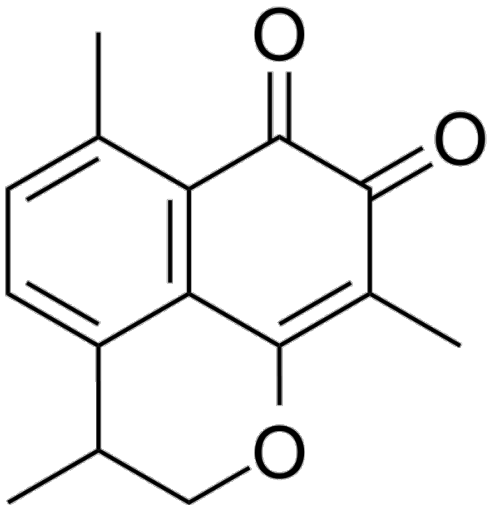
Chemical Properties

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

Product Data Sheet

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-

Product Data Sheet

2802.