
Product Data Sheet

Product Name: Isocryptomerin
Cat. No.: GC69404

Chemical Properties

Cas. No. 20931-58-2

Formula $C_{31}H_{20}O_{10}$ M.Wt 552.48

Solubility 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

Isocryptomerin is a membrane-active **antifungal** compound that can be isolated from *Selaginella tamariscina*. Isocryptomerin can depolarize fungal plasma membrane.

Isocryptomerin also shows anticancer and **antibacterial** activities^{[1][2]}.

Isocryptomerin ^[1]

Isocryptomerin (48 h) *C. albicans* *T. beigelii* *S. cerevisiae* MIC 18.11 μ M^[1]

[1]. Lee J, et al. Isocryptomerin, a novel membrane-active antifungal compound from *Selaginella tamariscina*. *Biochem Biophys Res Commun*. 2009 Feb 13;379(3):676-80.

[2]. Lee J, et al. Antibacterial and synergistic activity of isocryptomerin isolated from *Selaginella tamariscina*. *J Microbiol Biotechnol*. 2009 Feb;19(2):204-7.

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