

Product Data Sheet

Product Name: Cerebroside B

Cat. No.: GC65430

Chemical Properties

Cas. No. 88642-46-0

Formula C₄₁H₇₇NO₉

M.Wt 728.05

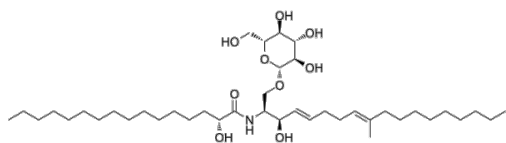
Solubility

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

Cerebroside B, a sphingolipid compound, is a non-racespecific elicitor, which elicits defense responses in rice[1].

Treatment of lettuce (*Lactuca sativa*), tomato (*Lycopersicon esculentum*), melon (*Cucumis melo*), and sweet potato (*Ipomoea batatas*) with Cerebroside B resulted in resistance to infection by each pathogenic strain of *F. oxysporum*. Induction of pathogenesis-related genes and H₂O₂ production by treatment with Cerebroside B are observed in tomato root tissues[1].

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

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[1]. Kenji Umemura, et al. Cerebroside elicitor confers resistance to fusarium disease in various plant species. *Phytopathology*. 2004 Aug;94(8):813-8.

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