

Product Data Sheet

Product Name: Dihydrokalafungin

Cat. No.: GC74763

Chemical Properties

Cas. No. 98392-26-8

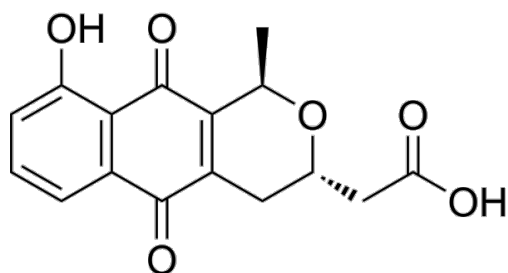
Formula $C_{16}H_{14}O_6$ M.Wt 302.28

Solubility Storage $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Dihydrokalafungin (Antibiotic YS-02931K- β) is a benzoisochromanequinone that used as a natural substrate in enzyme assays of the ActVB-ActVA system^[1].

The quinone form of Dihydrokalafungin is not oxidized by the ActVA-ActVB system, whereas the

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corresponding hydroquinone is an excellent substrate^[1].

References:

[1]. Julien Valton, et al. An aromatic hydroxylation reaction catalyzed by a two-component FMN-dependent Monooxygenase. The ActVA-ActVB system from *Streptomyces coelicolor*. J Biol Chem. 2006 Jan 6;281(1):27-35.

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