

Product Data Sheet

Product Name: IT-143A
Cat. No.: GC47473

Chemical Properties

Cas. No. 183485-32-7

SMILES OC1=C(C)C(C/C=C(C)/C/C(C)=C/C(C)=C/C(C)C(O)/C(C)=C/C(C)=C/C)=NC(OC)=C1OC

Formula C₂₉H₄₃NO₄

M.Wt 469.7

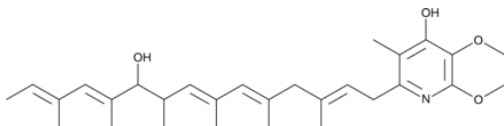
Solubility

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

IT-143A is a bacterial metabolite originally isolated from *Streptomyces* sp. IT-143.¹ It is active against the bacterium *M. luteus* (MIC = 6.25 µg/ml) and the fungi *A. fumigatus* and *T. rubrum in vitro* (MICs = 12.5-25 µg/ml).

1. Urakawa, A., Sasaki, T., Yoshida, K., et al. IT-143-A and B, novel piericidin-group antibiotics produced by *Streptomyces* SpJ. *Antibiot. (Tokyo)* 49(10):1052-1055 (1996)

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

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