

Product Data Sheet

Product Name: Berkeleylactone E

Cat. No.: GC46098

Chemical Properties

Cas. No. 122211-62-5

SMILES O=C1O[C@H](C)CCCCCCCC[C@H](OC(CCC(O)=O)=O)[C@H](O)/C=C/1

Formula C₂₀H₃₂O₇

M.Wt 384.5

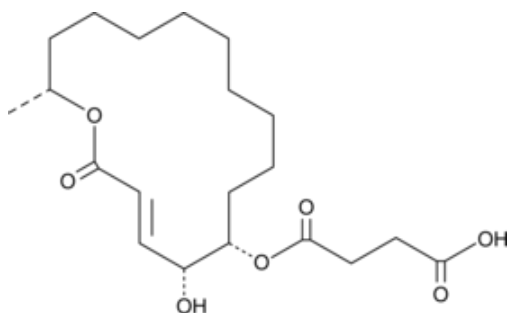
Solubility Soluble in DMSO

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

Berkeleylactone E is a macrolide antibiotic that has been found in *P. fuscum* and *P. camembertii*/clavigerum co-culture.¹ It is active against *S. aureus* (MIC = 125 µM).

[1. Stierle, A.A., Stierele, D.B., Decato, D., et al. The berkeleylactones, antibiotic macrolides from fungal coculture. *J. Nat. Prod.* 80(4), 1150-1160 (2017).

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

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