

Product Data Sheet

Product Name: Aureonitol

Cat. No.: GC48925

Chemical Properties

Cas. No. 71774-51-1

SMILES C/C=C/C=C/[C@H]1CO[C@@H](/C=C/C=C)[C@@H]1O

Formula C₁₃H₁₈O₂

M.Wt 206.3

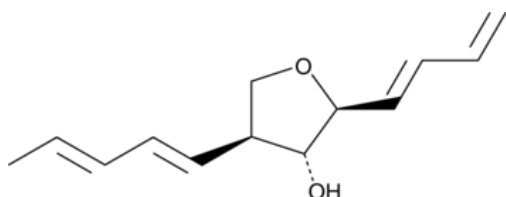
Solubility

Storage -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

Aureonitol is a fungal metabolite that has been found in *Chaetomium* and has antiviral activity.¹ It inhibits replication of the influenza A subtype H3N2 with an EC₅₀ value of 30 nM at a multiplicity of infection (MOI) of 0.01. It also inhibits replication of laboratory-adapted and clinical isolates of H3N2 (EC₅₀s = 100 and 312 nM, respectively), as well as clinical isolates of the influenza A subtype H1N1 (EC₅₀ = 417 nM). Aureonitol inhibits hemagglutination activity of H3N2 and H1N1.

1. Sacramento, C.Q., Marttorelli, A., Fintelman-Rodrigues, N., et al. Aureonitol, a fungi-derived tetrahydrofuran, inhibits influenza replication by targeting its surface glycoprotein hemagglutinin. *PLoS One* 10(10):e0139236 (2015)

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

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