

## Product Data Sheet

Product Name: Acetomycin

Cat. No.: GC46783

### Chemical Properties

Cas. No. 510-18-9

SMILES O=C(C)O[C@@H]([C@@H](C)[C@@H]1(C)C(C)=O)OC1=O

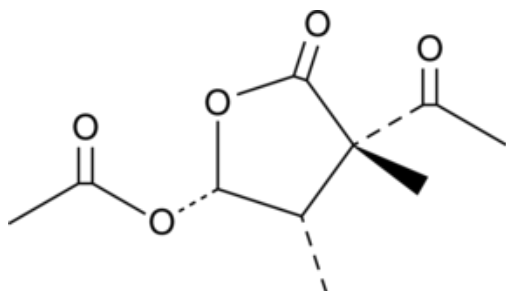
Formula C<sub>10</sub>H<sub>14</sub>O<sub>5</sub> M.Wt 214.2

Solubility DMSO: Soluble, Methanol: Soluble 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

Acetomycin is a  $\gamma$ -lactone microbial metabolite originally isolated from *S. ramulosus* that has anticancer activity.<sup>1</sup> It inhibits proliferation of HCT-8 human colon and L1210 mouse leukemia cancer cells (IC<sub>50</sub>s = 1.5 and 2.2  $\mu$ g/ml, respectively)

1. Mamber, S.W., Mitulski, J.D., Hamelehle, K.L., et al. Biological effects of acetomycin. I. Activity against tumor cells in vitro and in vivo. *J. Antibiot. (Tokyo)* 49(1):73-76 (1987)

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

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