

Product Data Sheet

Product Name: Aranciamycin A

Cat. No.: GC48472

Chemical Properties

Cas. No. 960622-70-2

SMILES OC1=C(C(C2=C(O)C=CC=C2C3=O)=O)C3=CC(C[C@@](O)(C4)C)=C1[C@H]4O[C@H]5[C@@H]([C@@H]([C@H]([C@@H](O5)C)O)O)OC

Formula C₂₆H₂₈O₁₀

M.Wt 500.5

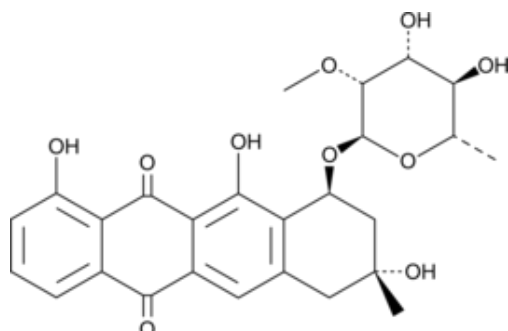
Solubility

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

Aranciamycin A is an anthracycline antibiotic that has been found in *Streptomyces*.¹ It is active against *M. bovis* and *B. subtilis* (MICs = 30 and 7.5 µM, respectively) but not *S. aureus*, *E. coli*, *P. aeruginosa*, or *C. albicans* (MICs = >30 µM for all).

1. Khalil, Z.G., Raju, R., Piggott, A.M., et al. Aranciamycins I and J, antimycobacterial anthracyclines from an Australian marine-derived *Streptomyces* sp. *Nat. Prod.* 78(4):949-952 (2015)

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

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