

Product Data Sheet

Product Name: Chrysomycin A

Cat. No.: GC18290

Chemical Properties

Cas. No. 82196-88-1

Chemical Name 4-(6-deoxy-3-C-methyl- β -gulopyranosyl)-8-ethenyl-1-hydroxy-10,12-dimethoxy-6H-benzod[naphtho[1,2-b]pyran-6-one

SMILES O=C(O1)C2=C(C(OC)=CC(C=C)=C2)C3=C1C4=C(C5OC(C)C(O)C(C)(O)C5O)C=CC(O)=C4C(OC)=C3

Formula $C_{28}H_{28}O_9$

M.Wt 508.5

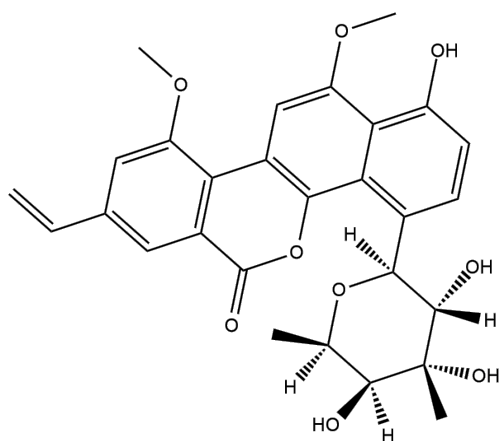
Solubility DMF: soluble, DMSO: soluble, Ethanol: slightly soluble, Methanol: slightly soluble

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

Chrysomycin A is an antibiotic isolated from a strain of *Streptomyces*. It is structurally very similar to gilvocarcin V, an inhibitor of topoisomerase II which promotes DNA cross-linking with histone 3 and GRP78 when photoactivated by near-UV light. Chrysomycin A inhibits DNA synthesis in bacteria and

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

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suppresses the growth of transplantable tumors in mice.

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