

Product Data Sheet

Product Name: TAN 420E

Cat. No.: GC44989

Chemical Properties

Cas. No. 91700-93-5

SMILES OC1=CC(N2)=C(O)C([C@@](OC)([H])[C@@H](C)C[C@H](OC)[C@H](OC)[C@@H](C)/C=C(C)/[C@H](OC(N)=O)[C@@H](OC)/C=C/C=C(C)/C2=O)=C1

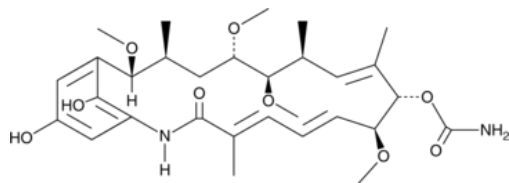
Formula C₃₀H₄₄N₂O₉ M.Wt 576.7

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

TAN 420E is a bacterial metabolite originally isolated from *Streptomyces*. It scavenges 2,2-diphenyl-1-picrylhydrazyl radicals in a cell-free assay (IC₅₀ = 1.3 µM) and reduces thiobarbituric acid reactive substances (TBARS) in rat liver microsomes by 72% when used at a concentration of 100 µg/ml.

TAN 420E is active against *B. brevis*, *B. cereus*, *M. flavus*, and *S. aureus* (MICs = 50-100 µg/ml). It is cytotoxic to P388 and KB lymphocytic leukemia cells (EC₅₀s = 0.022 and 0.3 µg/ml, respectively).

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA