

Product Data Sheet

Product Name: NSC 15520

Cat. No.: GC46190

Chemical Properties

Cas. No. 730960-98-2

SMILES CC12C(CCC34C2CC(C(C(C)C)=C4)C(C(O)=O)C3C(O)=O)C(C(O)=O)(C)CCC1

Formula C₂₄H₃₄O₆

M.Wt 418.5

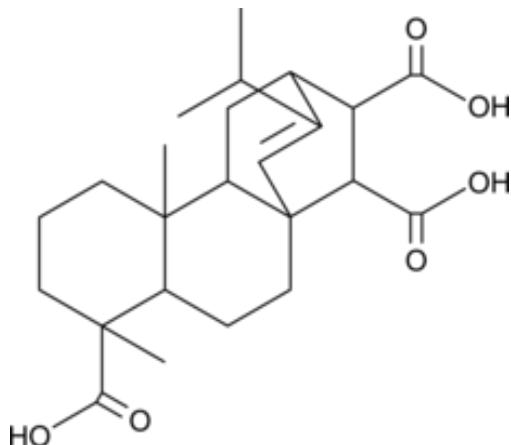
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml

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

NSC 15520 is an inhibitor of replication protein A 70 (RPA70) dsDNA binding.¹ It selectively inhibits dsDNA over ssDNA binding to RPA70 when used at concentrations ranging from 25 to 400 μM. NSC 15520 also inhibits the protein-protein interaction between the cell cycle checkpoint control proteins p53 or Rad9 and RPA70.

[1. Glanzer, J.G., Liu, S., and Oakley, G.G. Small molecule inhibitor of the RPA70 N-terminal protein interaction domain discovered using in silico and in vitro methods. *Bioorg. Med. Chem.* 19(8), 2589-

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

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2595 (2011).

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