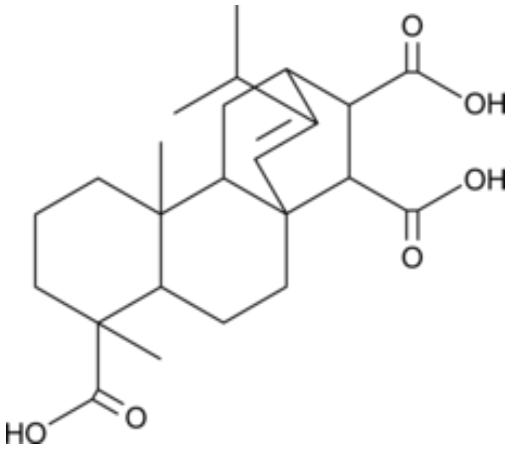
Product Data Sheet

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-

2595 (2011).