

## Neoabietic acid

## Chemical Properties

CAS No. :	471-77-2
Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>2</sub>
Molecular Weight:	302.458
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Neoabietic acid is an abietic-type acid isolated from the oleoresin and rosin of <i>Pinus palustris</i> . Neoabietic acid is highly susceptible to mineral acid. Neoabietic acid has antibacterial activity in vitro.
Targets(IC50)	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3062 mL	16.5311 mL	33.0622 mL
5 mM	0.6612 mL	3.3062 mL	6.6124 mL
10 mM	0.3306 mL	1.6531 mL	3.3062 mL
50 mM	0.0661 mL	0.3306 mL	0.6612 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- HARRIS GC, et, al. Resin acids; an improved method of isolation of resin acids the isolation of a new abietic-type acid, neoabietic acid. *J Am Chem Soc.* 1948 Jan; 70(1): 334-9.
- Jagalski V, et, al. Biophysical study of resin acid effects on phospholipid membrane structure and properties. *Biochim Biophys Acta.* 2016 Nov; 1858(11):2827-2838.
- Söderberg TA, et, al. Antibacterial activity of rosin and resin acids in vitro. *Scand J Plast Reconstr Surg Hand Surg.* 1990; 24(3): 199-205.

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