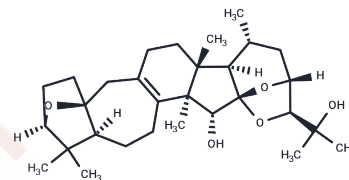


## Acerinol

## Chemical Properties

CAS No. :	19902-53-5
Formula:	C <sub>30</sub> H <sub>46</sub> O <sub>5</sub>
Molecular Weight:	486.68
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	Acerinol is an active ingredient from traditional Chinese medicinal herbs. It could be used as a cancer multidrug resistance reversal agent. Acerinol can significantly stimulate the activity of ABCB1 ATPase without affecting the expression of ABCB1 on neither mRNA nor protein level.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0547 mL	10.2737 mL	20.5474 mL
5 mM	0.4109 mL	2.0547 mL	4.1095 mL
10 mM	0.2055 mL	1.0274 mL	2.0547 mL
50 mM	0.0411 mL	0.2055 mL	0.4109 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

Liu DL, Li YJ, Yao N, Xu J, Chen ZS, Yiu A, Zhang CX, Ye WC, Zhang DM. Acerinol, a cyclolanthane triterpenoid from *Cimicifuga acerina*, reverses ABCB1-mediated multidrug resistance in HepG2/ADM and MCF-7/ADR cells. *Eur J Pharmacol.* 2014 Jun 15;733:34-44. doi: 10.1016/j.ejphar.2014.03.043. Epub 2014 Apr 4. PubMed PMID: 24704556.

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