

## Product Data Sheet

Product Name: Andrastin A

Cat. No.: GC42806

### Chemical Properties

Cas. No. 174232-42-9

SMILES CC1=C[C@]2([H])[C@]([C@@](C(C3C)=O)(C(OC)=O)[C@]1(C)C3=O)(C)CC[C@]4([H])C(C)(C)[C@@H](OC(C)=O)CC[C@]42C=O

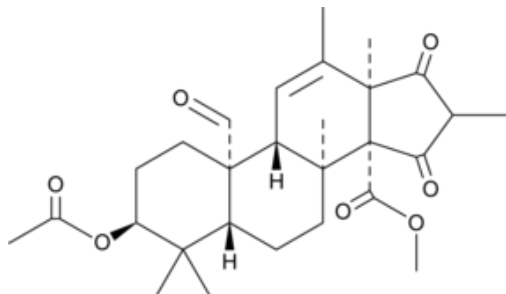
Formula C<sub>28</sub>H<sub>38</sub>O<sub>7</sub> M.Wt 486.6

Solubility DMF: Soluble, DMSO: Soluble, Ethanol: Soluble, Methanol: Soluble  
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

Andrastin A is a meroterpenoid farnesyltransferase inhibitor. It increases the accumulation and effect of the chemotherapeutic agent vincristine (sulfate), most likely by binding to plasma membrane phosphoglycoprotein to prevent drug efflux. Andrastin A inhibits survival of Caco-2 cells with an IC<sub>50</sub> of >50 µg/ml.

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

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