

Product Data Sheet

Product Name: Doramectin aglycone

Cat. No.: GC43562

Chemical Properties

Cas. No. 1987883-26-0

SMILES C/C([C@@H](O)[C@@H](C)/C=C/C=C(CO1)/[C@@]([C@@]1([H])[C@H](O)C(C)=C2)(O)[C@]2([H])C3=O)=C\C[C@]4([H])C[C@@](O3)([H])C[C@]5(C=C[C@H](C)[C@@H](C6CCCCC6)O5)O4

Formula C36H50O8 M.Wt 610.8

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.

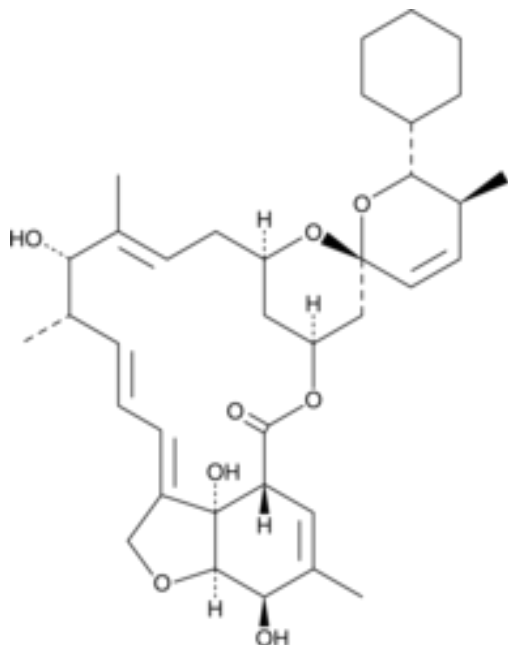
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

Doramectin aglycone is an acid degradation product of doramectin, a disaccharide-containing anthelmintic that potentiates glutamate- and GABA-gated chloride channel opening in nematodes, and its acid-catalyzed hydrolysis product doramectin monosaccharide. Doramectin undergoes one round of acid-catalyzed hydrolysis to form doramectin monosaccharide which is then hydrolyzed again to remove the remaining saccharide unit and form doramectin aglycone.

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