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**Product Data Sheet**

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Product Name: Heronamide C

Cat. No.: GC18902

**Chemical Properties**

Cas. No. 1257083-94-5

Chemical Name 9S,10R-dihydroxy-7,15-dimethyl-20R-(2E,4E)-2,4-octadien-1-yl-,azacycloeicosa-3E,5E,7E,11Z,13E,15E,17E-heptaen-2-one

SMILES CC1=C/[C@H](O)[C@H](O)/C=C\C=C\C(C)=C/C=C/C[C@@H](C/C=C/C=C/CCC)NC(/C=C/C=C/1)=OFormula C<sub>29</sub>H<sub>39</sub>NO<sub>3</sub> M.Wt 449.6

Solubility DMSO: soluble, Methanol: unstable 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**

Heronamide C is a polyketide macrolactam antifungal agent produced by marine Actinomycetes. It inhibits the growth of and induces abnormal accumulation of cell wall material in wild-type fission yeast cells (MIC = 0.13-0.28 μM). Heronamide C lacks activity against Gram-positive bacteria and human HeLa and MDA-MB-231 cancer cell lines. However, it induces reversible morphological changes, including formation of large intracellular structures, in HeLa cells at a concentration of 20 μM.

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

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