

Product Data Sheet

Product Name: Lepimectin A4

Cat. No.: GC46167

Chemical Properties

Cas. No. 171249-05-1

SMILES C/C([C@@H]([C@@H](C)/C=C/C=C1CO[C@]([C@]2\1O)([H])[C@H](O)C(C)=C[C@@]2([H])C3=O)OC(/C(C4=CC=CC=C4)=N/OC)=O)=C\C[C@@]5([H])O[C@@]6(CC[C@H](C)[C@@H](CC)O6)C[C@](O3)([H])C5

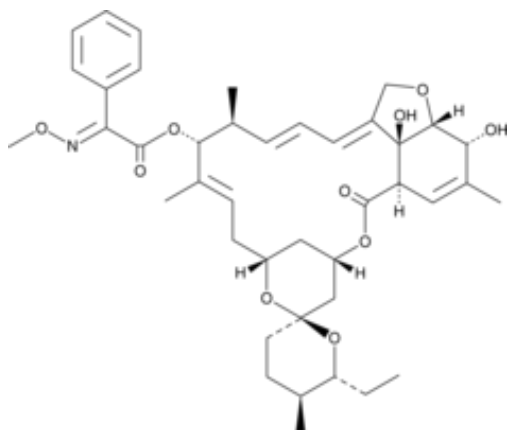
Formula C41H53NO10 M.Wt 719.9

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

Lepimectin A4 is a synthetic macrocyclic lactone and a component of the insecticide lepmectin.1

[1. Kim, S.-W., Rahman, M.M., Abd El-Aty, A.M., et al. Residue level and dissipation pattern of lepmectin in shallots using high-performance liquid chromatography coupled with photodiode array detection. Biomed. Chromatogr. 30(11), 1835-1842 (2016).

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

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