

Product Data Sheet

Product Name: 28-Epirapamycin

Cat. No.: GC60015

Chemical Properties

Cas. No. 253431-35-5

SMILES O=C(C([C@](O[C@]1([H])C[C@@H](/C(C)=C/C=C/C=C/[C@H]2C)OC)([C@@H](CC1)C)O)=O)N(CCCC3)[C@]3([H])C(O[C@](CC([C@@H](/C=C([C@@H]([C@H](C([C@@H](C2)C)=O)OC)O)\C)C)=O)([H])[C@H](C)C[C@H](CC[C@H]4O)C[C@H]4OC)=O

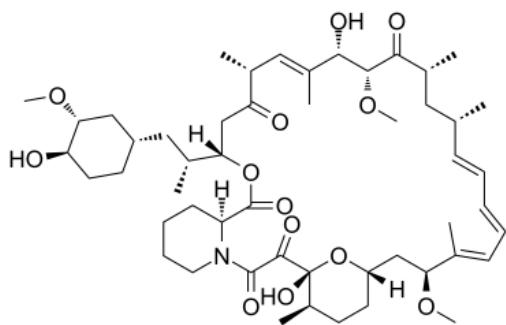
Formula $C_{51}H_{79}NO_{13}$ M.Wt 914.17

Solubility Storage

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

28-Epirapamycin is an impurity of Rapamycin. Rapamycin is a potent and specific mTOR inhibitor with an IC₅₀ of 0.1 nM in HEK293 cells[1].

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

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[1]. Edwards SR, et al. The rapamycin-binding domain of the protein kinase mammalian target of rapamycin is a destabilizing domain. J Biol Chem. 2007;282(18):13395-13401.

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