
Product Data Sheet

Product Name: Cyclosporin A-Derivative 1

Cat. No.: GC35783

Chemical Properties

Cas. No. 1487360-85-9

Formula $C_{65}H_{118}BF_4N_{11}O_{14}$ M.Wt 1364.5

Solubility Soluble in DMSO 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

Cyclosporin A-Derivative 1 is a crystalline intermediate derived from the opening of cyclosporin A extracted from patent WO 2013167703 A1. Cyclosporin A is an immunosuppressive agent which can bind to the cyclophilin and inhibit calcineurin.

Cyclosporin A-Derivative 1 is a non-immunosuppressive Cyclosporine A derivative. The cyclosporin is acylated on the butenyl-methyl-threonine side chain and then subjected to a ring-opening reaction (the ring opens between the sarcosine and the N-methyl-leucine residues). Cyclosporin A-Derivative 1 is a linear peptide intermediate[1].

[1]. Fabrice Gallou, et al. Process for the manufacture of cyclic undecapeptides. WO 2013167703 A1.

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

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