
Product Data Sheet

Product Name: N-Fmoc-N,O-dimethyl-L-serine

Cat. No.: GC66835

Chemical Properties

Cas. No. 1569103-64-5

Formula C₂₀H₂₁NO₅ M.Wt 355.38

Solubility 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**

N-Fmoc-N,O-dimethyl-L-serine is a serine derivative that can be used for coibamide A synthesis. Coibamide A is a marine natural product with potent antiproliferative activity against human cancer cells^{[1][2]}.

[1]. Yao G, et al. Efficient Synthesis and Stereochemical Revision of Coibamide A. J Am Chem Soc. 2015 Oct 28;137(42):13488-91.

[2]. Tranter D, et al. Coibamide A Targets Sec61 to Prevent Biogenesis of Secretory and Membrane Proteins. ACS Chem Biol. 2020 Aug 21;15(8):2125-2136.

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

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