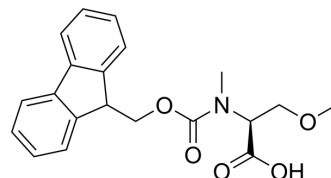


## N-Fmoc-N,O-dimethyl-L-serine

Cat. No.:	HY-W039102		
CAS No.:	1569103-64-5		
Molecular Formula:	C <sub>20</sub> H <sub>21</sub> NO <sub>5</sub>		
Molecular Weight:	355.38		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

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<sup>[1][2]</sup>.

### REFERENCES

- [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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA