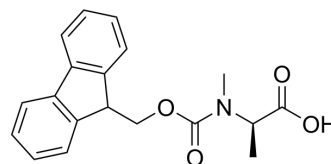


## Fmoc-N-Me-D-Ala-OH

<b>Cat. No.:</b>	HY-W022281		
<b>CAS No.:</b>	138774-92-2		
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>19</sub> NO <sub>4</sub>		
<b>Molecular Weight:</b>	325.36		
<b>Target:</b>	Amino Acid Derivatives		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (307.35 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	3.0735 mL	15.3676 mL	30.7352 mL
		5 mM	0.6147 mL	3.0735 mL	6.1470 mL
10 mM		0.3074 mL	1.5368 mL	3.0735 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.68 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.68 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Fmoc-N-Me-D-Ala-OH is an alanine derivative <sup>[1]</sup> .
<b>In Vitro</b>	Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

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