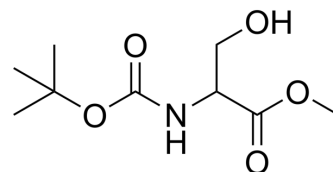


## N-BOC-DL-serine methyl ester

Cat. No.:	HY-W005308		
CAS No.:	69942-12-7		
Molecular Formula:	C <sub>9</sub> H <sub>17</sub> NO <sub>5</sub>		
Molecular Weight:	219.23		
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-BOC-DL-serine methyl ester is a Serine derivative. N-BOC-DL-serine methyl ester is used for the synthesis of  $\alpha,\beta$ -dehydro- $\alpha$ -amino acid. N-BOC-DL-serine methyl ester is also used for the synthesis of anti-cancer agent, such as quinazolinone derivative that inhibits PI3K activity, and tricyclic pyrolopyranopyridines that inhibits protein kinase activity<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Yang Yongqing, et al. Method for synthesizing  $\alpha,\beta$ -dehydro- $\alpha$ -amino acid. Patent CN105037210.
- [2]. Wu Chengde, et al. Preparation of quinazolinone derivatives useful as PI3K $\alpha$  inhibitors for the treatment of cancer. Patent WO2019091476.
- [3]. Pastor Fernandez, et al. Preparation of tricyclic pyrolopyranopyridines as protein kinase inhibitors. Patent WO2017033019.

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

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