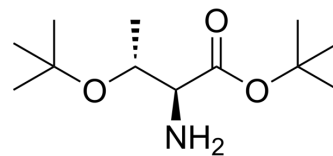


## O-tert-Butylthreoninetert-butyl ester

|                    |   |       |          |
|--------------------|---|-------|----------|
| Cat. No.:          | HY-W009648                                      |       |          |
| CAS No.:           | 5854-78-4                                       |       |          |
| Molecular Formula: | C <sub>12</sub> H <sub>25</sub> NO <sub>3</sub> |       |          |
| Molecular Weight:  | 231.33  |       |          |
| 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 | O-tert-Butylthreoninetert-butyl ester is a threonine derivative <sup>[1]</sup> .  |
| In Vitro    | 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> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### REFERENCES

[1]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

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

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