N-(tert-Butoxycarbonyl)-S-butylhomocysteine

Cat. No.: HY-43973

CAS No.: 1396969-20-2

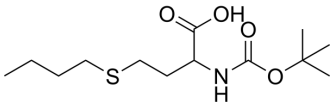
Molecular Formula: $C_{13}H_{25}NO_4S$

Molecular Weight: 291.41

Target: Amino Acid Derivatives

Pathway: Others

Storage: 4°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (857.90 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	3.4316 mL	17.1580 mL	34.3159 mL
5 mM	0.6863 mL	3.4316 mL	6.8632 mL
10 mM	0.3432 mL	1.7158 mL	3.4316 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N-(tert-Butoxycarbonyl)-S-butylhomocysteine is a cysteine derivative[1].

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[1].
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):1793-807.

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

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