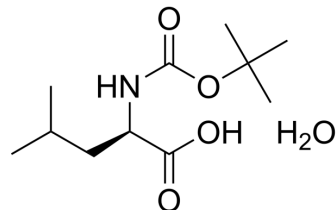


Boc-D-Leucine monohydrate

| | |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.: | HY-W002299 |
| CAS No.: | 200937-17-3 |
| Molecular Formula: | C ₁₁ H ₂₃ NO ₅ |
| Molecular Weight: | 249.3 |
| Target: | Amino Acid Derivatives |
| Pathway: | Others |
| Storage: | 4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (401.12 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 4.0112 mL | 20.0562 mL | 40.1123 mL |
| | 5 mM | 0.8022 mL | 4.0112 mL | 8.0225 mL |
| | 10 mM | 0.4011 mL | 2.0056 mL | 4.0112 mL |

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

BIOLOGICAL ACTIVITY

Description

Boc-D-Leucine monohydrate (Boc-D-Leu-OH hydrate) is an N-Boc-protected form of D-Leucine (L330150). D-Leucine is an unnatural isomer of L-Leucine (L330110) that acts as an auto-inhibitor of lactic streptococci. D-Leucine shows potent anti-seizure effect^[1].

REFERENCES

[1]. Hartman AL, et al. Potent anti-seizure effects of D-leucine. Neurobiol Dis. 2015 Oct;82:46-53.

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

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