

Product Name: N-Fmoc-L-threonine monohydrate, 98%
Catalog Number: B21120.03

CAS Number: 73731-37-0
IUPAC Name: (2S,3R)-2-({[(9H-fluoren-9-yl)methoxy]carbonyl}amino)-3-hydroxybutanoic acid hydrate
Molecular Formula: C₁₉H₂₁NO₆
Molecular Weight: 359.38
MDL Number: MFCD00792901
InChI Key: CGNQPFaecJfQNV-NRNQBQMASA-N
SMILES: O.C[C@@H](O)[C@H](NC(=O)OCC1C2=C(C=CC=C2)C2=C1C=CC=C2)C(O)=O
Synonym: (2S,3R)-2-({[(9H-fluoren-9-yl)methoxy]carbonyl}amino)-3-hydroxybutanoic acid hydrate

Product Specification

Appearance (Color): White
Form: Powder
Assay (HPLC): ≥97.5%
Optical Rotation: -5.1 ± 0.1° (C=1 in methanol)
Melting Point (clear melt): 93.0-99.0°C
Water Content (Karl Fischer Titration): 2.57-7.34% (0.5-1.5 waters)
Assay (Aqueous acid-base Titration): ≥97.5 to ≤102.5%

Date Of Print: 07/03/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.