



>>Entry Name: Dansylleucine

Synonym(s): *N*-[[5-(Dimethylamino)-1-naphthalenyl]sulfonyl]leucine, 9CI

Molecular Formula: C₁₈H₂₄N₂O₄S

Molecular Weight: 364.465

Accurate Mass: 364.145678

Percentage Composition: C 59.32%; H 6.64%; N 7.69%; O 17.56%; S 8.80%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 1100-22-7

Molecular Formula: C₁₈H₂₄N₂O₄S

Molecular Weight: 364.465

Accurate Mass: 364.145678

Percentage Composition: C 59.32%; H 6.64%; N 7.69%; O 17.56%; S 8.80%

Source/Synthesis: Derived from leucine *N*-terminal peptides and proteins following *N*-terminal labelling with 5-(Dimethylamino)-1-naphthalenesulfonyl chloride [FNS92-C](#)

>>Derivative: Cyclohexylamine salt

CAS Registry Number: 42954-58-5

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 167-170°

References:

Seiler, N., *Methods Biochem. Anal.*, 1970, **18**, 259-337, (*rev, props, detn*)

Seiler, N. *et al.*, *Anal. Biochem.*, 1971, **44**, 251-257, (*ms*)

Polonski, T. *et al.*, *Tetrahedron*, 1974, **30**, 641-643, (*ord*)

Bouguerra, M.L., *Ann. Chim. (Paris)*, 1975, **10**, 29-31, (*pmr*)