



>>Entry Name: Dansylserine

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

Molecular Formula: C₁₅H₁₈N₂O₅S

Molecular Weight: 338.384

Accurate Mass: 338.093643

Percentage Composition: C 53.24%; H 5.36%; N 8.28%; O 23.64%; S 9.48%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 35021-12-6

Molecular Formula: C₁₅H₁₈N₂O₅S

Molecular Weight: 338.384

Accurate Mass: 338.093643

Percentage Composition: C 53.24%; H 5.36%; N 8.28%; O 23.64%; S 9.48%

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

>>Derivative: Cyclohexylamine salt

CAS Registry Number: 53332-28-8

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 191-193° (dec)

References:

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

Seiler, N. *et al.*, *Anal. Biochem.*, 1971, **44**, 451-457, (*ms*)

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