



>>Entry Name: Dansylglutamine

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

Molecular Formula: C₁₇H₂₁N₃O₅S

Molecular Weight: 379.436

Accurate Mass: 379.120192

Percentage Composition: C 53.81%; H 5.58%; N 11.07%; O 21.08%; S 8.45%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 1101-67-3

Molecular Formula: C₁₇H₂₁N₃O₅S

Molecular Weight: 379.436

Accurate Mass: 379.120192

Percentage Composition: C 53.81%; H 5.58%; N 11.07%; O 21.08%; S 8.45%

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

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 109-112° (dec.)

References:

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

Chimiak, A. *et al.*, *Org. Prep. Proced. Int.*, 1973, **5**, 117-124, (*synth*)

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