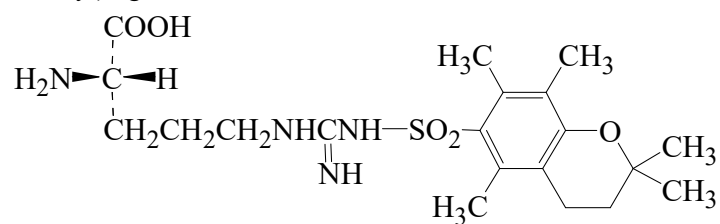




>>Entry Name: *N*⁵-[[[(3,4-Dihydro-2,2,5,7,8-pentamethyl-2*H*-1-benzopyran-6-yl)sulfonyl]amino]iminomethyl]ornithine, 9Cl

Synonym(s): *N*^G-(2,2,5,7,8-Pentamethylchroman-6-sulfonyl)arginine



Molecular Formula: C₂₀H₃₂N₄O₅S

Molecular Weight: 440.563

Accurate Mass: 440.209341

Percentage Composition: C 54.53%; H 7.32%; N 12.72%; O 18.16%; S 7.28%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 112160-37-9

Molecular Formula: C₂₀H₃₂N₄O₅S

Molecular Weight: 440.563

Accurate Mass: 440.209341

Percentage Composition: C 54.53%; H 7.32%; N 12.72%; O 18.16%; S 7.28%

Physical Description: Powder

Melting Point: Mp 95°. Mp 145° (double Mp)

Other Data: The protecting group is cleaved rapidly by F₃CCOOH or 50% F₃CCOOH in CH₂Cl₂ at r.t.

>>Derivative: *N*²-Fluorenylmethoxycarbonyl

CAS Registry Number: 119831-72-0

Molecular Formula: C₃₅H₄₂N₄O₇S

Molecular Weight: 662.805

Accurate Mass: 662.277421

Percentage Composition: C 63.43%; H 6.39%; N 8.45%; O 16.90%; S 4.84%

Use/Importance: Reagent used in solid-phase peptide coupling

Melting Point: Mp 80-93°

References:

Ramage, R. *et al.*, *Tetrahedron*, 1991, **47**, 6353-6370, (*synth, ir, uv, pmr, cmr, use*)