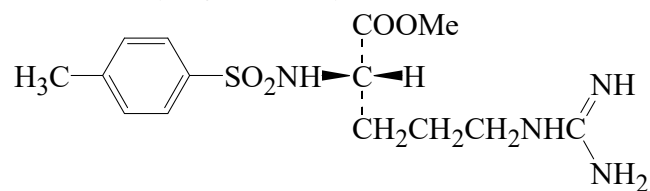




>>Entry Name: N^{α} -[(4-Methylphenyl)sulfonyl]arginine methyl ester, 9Cl

Synonym(s): N^2 -(*p*-Tolylsulfonyl)arginine methyl ester, 8Cl. N^{α} -Tosylarginine methyl ester. TAME



Related CAS Registry Numbers(s): 13200-95-8 14279-68-6

Molecular Formula: $C_{14}H_{22}N_4O_4S$

Molecular Weight: 342.418

Accurate Mass: 342.136176

Percentage Composition: C 49.11%; H 6.48%; N 16.36%; O 18.69%; S 9.36%

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 901-47-3

Molecular Formula: $C_{14}H_{22}N_4O_4S$

Molecular Weight: 342.418

Accurate Mass: 342.136176

Percentage Composition: C 49.11%; H 6.48%; N 16.36%; O 18.69%; S 9.36%

Use/Importance: Substrate for plasmin/thrombin

Biological Use/Importance: Shows anticoagulant props.

>>Derivative: Hydrochloride

CAS Registry Number: 1784-03-8

Physical Description: Solid (cyclohexane)

Melting Point: Mp 145-147°

Optical Rotation: $[\alpha]_D^{20} -14$ (c, 4 in H_2O)

Other Data: Props. not accessible. Those given are from catalogue data

Aldrich: T4350-8

Sigma: T4626

References:

Bergmann, M. *et al.*, *J. Biol. Chem.*, 1939, **127**, 643, (*synth*)

Serebryanyi, S.B. *et al.*, *Khim. Prir. Soedin.*, 1975, **11**, 69-73; *Chem. Nat. Compd. (Engl. Transl.)*, 1975, **11**, 67-70, (*synth*)

Barrows, Y. *et al.*, *Acta Cryst. B*, 1976, **32**, 2346, (*cryst struct*)