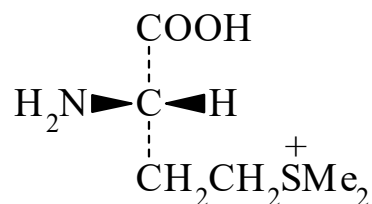




>>Entry Name: **S-Methylmethionine**

ENTRY UNDER REVIEW

Synonym(s): (3-Amino-3-carboxypropyl)dimethylsulfonium(1+), 9Cl, 8Cl



CAS Registry Number: 13065-25-3

Related CAS Registry Numbers(s): 2766-51-0 3493-10-5 3493-11-6 3493-12-7 4727-40-6 7329-84-2 27347-80-4 41844-44-4 63889-27-0 71267-08-8

Molecular Formula: C₆H₁₄NO₂S⁽⁺⁾

Molecular Weight: 164.248

Accurate Mass: 164.074524

Percentage Composition: C 43.88%; H 8.59%; N 8.53%; O 19.48%; S 19.52%

>>Variant: (S)-form

CAS Registry Number: 6708-35-6

Molecular Formula: C₆H₁₄NO₂S

Molecular Weight: 164.248

Accurate Mass: 164.074524

Percentage Composition: C 43.88%; H 8.59%; N 8.53%; O 19.48%; S 19.52%

Biological Source: Isol. from cabbage leaves and other fruits and vegetables

Use/Importance: Used in the treatment of gastric disorders, shows antihistamine activity

>>Derivative: Chloride

Synonym(s): S-Methylmethionyl chloride. **Vitamin U**. Cabagin U. Epadyn U. Vitas U. MMSC

CAS Registry Number: 1115-84-0

Molecular Formula: C₆H₁₄ClNO₂S

Molecular Weight: 199.701

Accurate Mass: 199.043376

Percentage Composition: C 36.09%; H 7.07%; Cl 17.75%; N 7.01%; O 16.02%; S 16.06%

Melting Point: Mp 139 dec.°

>>Derivative: Bromide

Synonym(s): Ardesyl

CAS Registry Number: 33515-32-1

Molecular Formula: C₆H₁₄BrNO₂S

Molecular Weight: 244.152

Accurate Mass: 243.01286

Percentage Composition: C 29.52%; H 5.78%; Br 32.73%; N 5.74%; O 13.11%; S 13.13%

Physical Description: Needles

Melting Point: Mp 134 dec.°

Sigma: M2006

>>Variant: (±)-form

CAS Registry Number: 44901-24-8

Molecular Formula: C₆H₁₄NO₂S

Molecular Weight: 164.248

Accurate Mass: 164.074524

Percentage Composition: C 43.88%; H 8.59%; N 8.53%; O 19.48%; S 19.52%

>>Derivative: Chloride