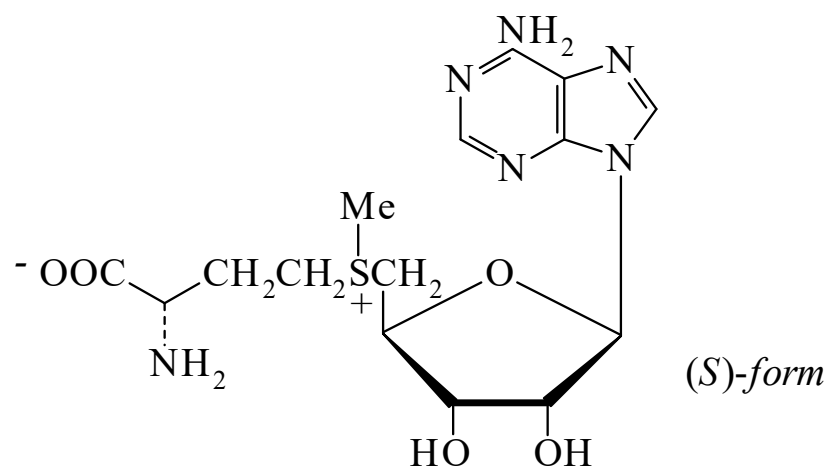




>>Entry Name: Ademetionine, INN

Synonym(s): 5'-[[[(3-Amino-3-carboxypropyl)methyl]sulfonio]-5'-deoxyadenosine hydroxide inner salt, 9Cl. S-Adenosylmethionine. Active methionine



CAS Registry Number: 2613-02-7

Related CAS Registry Numbers(s): 485-80-3 14031-35-7 17176-17-9

Molecular Formula: C₁₅H₂₂N₆O₅S

Molecular Weight: 398.442

Accurate Mass: 398.137239

Percentage Composition: C 45.22%; H 5.57%; N 21.09%; O 20.08%; S 8.05%

General Statement: Strictly the name Ademetionine refers to the (S)-form

Biological Use/Importance: Metab. intermed. which functions as the principal biological donor of methyl groups, as the source of the propylamine moieties of spermidine and spermine, and as the regulator of a variety of enzymatic reactions. Metabolic; used to treat hepatic disorders. Also under investigation as an antidepressant, and for the treatment of osteoarthritis

>>Derivative: 4-Methylbenzenesulfonate, sulfate (1:2)

Synonym(s): Ceritan. Gumbaral. FO 1561

CAS Registry Number: 97540-22-2

>>Variant: (S)-form

Synonym(s): Donor. S Amet IM. SAM. Samet. Samyr. Tunik

CAS Registry Number: 29908-03-0

Molecular Formula: C₁₅H₂₂N₆O₅S

Molecular Weight: 398.442

Accurate Mass: 398.137239

Percentage Composition: C 45.22%; H 5.57%; N 21.09%; O 20.08%; S 8.05%

Sigma: J5262

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