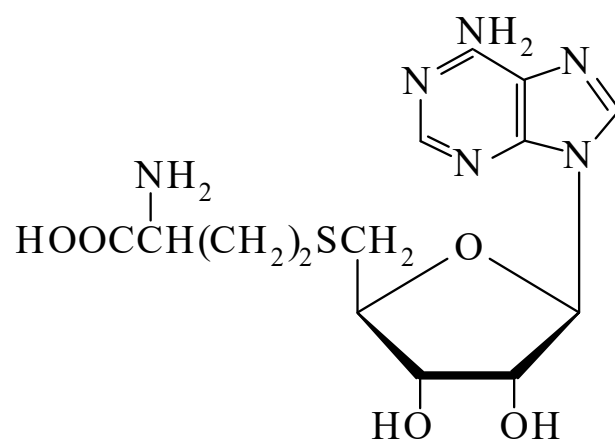




>>Entry Name: **S-Adenosylhomocysteine**

Synonym(s): 5'-S-(3-Amino-3-carboxypropyl)-5'-thioadenosine, 9Cl, 8Cl. SAH



CAS Registry Number: 979-92-0

Molecular Formula: $C_{14}H_{20}N_6O_5S$

Molecular Weight: 384.415

Accurate Mass: 384.121589

Percentage Composition: C 43.74%; H 5.24%; N 21.86%; O 20.81%; S 8.34%

Biological Use/Importance: Methyl transferase inhibitor

Melting Point: Mp 210-211 dec.°

Optical Rotation: $[\alpha]_D^{23} +44.5$ (c, 0.1 in 0.05M HCl)

UV: [neutral] λ_{max} 260 () (H₂O)

>>Derivative: Picrate

Melting Point: Mp 170 dec.°

>>Derivative: S-Oxide

see Ademetonine, [HHH13-I](#)

>>Derivative: 6N-Me

Molecular Formula: $C_{15}H_{22}N_6O_5S$

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%

Melting Point: Mp 208-210°

References:

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Duerre, J.A., *Arch. Biochem. Biophys.*, 1962, **96**, 70
Follmann, H. *et al.*, *Eur. J. Biochem.*, 1974, **47**, 187, (*conformn, pmr*)
Borchardt, R.T. *et al.*, *J. Med. Chem.*, 1976, **19**, 1094, (*pharmacol*)
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