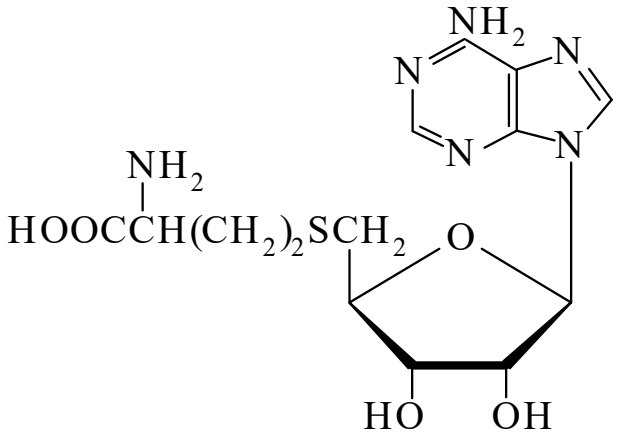
>>**Entry Name: *S*-Adenosylhomocysteine**
Synonym(s): 5'-*S*-(3-Amino-3-carboxypropyl)-5'-thioadenosine, 9CI, 8CI. SAH



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 0.05*M* HCl)
UV: [neutral] λ_{max} 260 () (H_2O)

>>**Derivative:** Picrate

Melting Point: Mp 170 dec.°

>>**Derivative:** *S*-Oxide
see Ademetionine, HHH13-I

>>**Derivative:** 6*N*-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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Borchardt, R.T. *et al.*, *J. Med. Chem.*, 1976, **19**, 1094, *(pharmacol)*
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