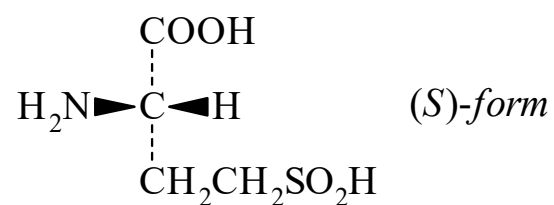




>>Entry Name: 2-Amino-4-sulfinobutanoic acid, 9CI

Synonym(s): Homocysteinesulfinic acid



Related CAS Registry Numbers(s): 33514-39-5

Molecular Formula: C₄H₉NO₄S

Molecular Weight: 167.185

Accurate Mass: 167.025229

Percentage Composition: C 28.74%; H 5.43%; N 8.38%; O 38.28%; S 19.18%

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 2686-70-6

Molecular Formula: C₄H₉NO₄S

Molecular Weight: 167.185

Accurate Mass: 167.025229

Percentage Composition: C 28.74%; H 5.43%; N 8.38%; O 38.28%; S 19.18%

Physical Description: Cryst. (EtOH aq.)

Optical Rotation: $[\alpha]_D^{22} +11.8$ (c, 0.5 in H₂O)

Sigma: H4024

>>Variant: ($\pm$)-form

CAS Registry Number: 31523-80-5

Molecular Formula: C₄H₉NO₄S

Molecular Weight: 167.185

Accurate Mass: 167.025229

Percentage Composition: C 28.74%; H 5.43%; N 8.38%; O 38.28%; S 19.18%

Physical Description: Cryst. (EtOH/Et₂O aq.)

Melting Point: Mp 177 dec.^o

References:

Watkins, J.C., *J. Med. Chem.*, 1962, **5**, 1187, (*synth*)

Jollès-Bergeret, B., *Bull. Soc. Chim. Belg.*, 1966, **48**, 1265, (*synth*)

Hope, D.B. *et al.*, *J.C.S.(C)*, 1970, 270, (*S-form*)