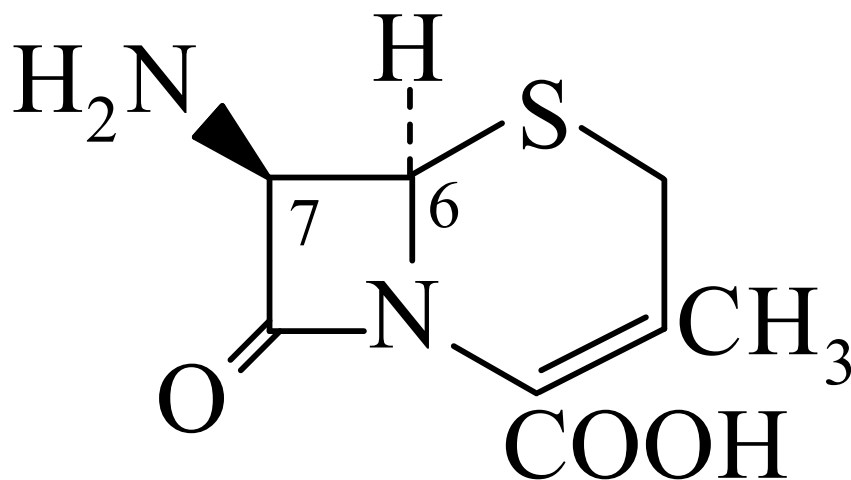




>>Entry Name: 7-Amino-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI

Synonym(s): 7-Amino-3-methyl-3-cephem-4-carboxylic acid. 7-Aminodeacetoxycephalosporanic acid. 7-ADCA



CAS Registry Number: 26395-99-3

Molecular Formula: $C_8H_{10}N_2O_3S$

Molecular Weight: 214.245

Accurate Mass: 214.041213

Percentage Composition: C 44.85%; H 4.70%; N 13.08%; O 22.40%; S 14.97%

>>Variant: (6*R*,7*R*)-form

CAS Registry Number: 22252-43-3

Molecular Formula: $C_8H_{10}N_2O_3S$

Molecular Weight: 214.245

Accurate Mass: 214.041213

Percentage Composition: C 44.85%; H 4.70%; N 13.08%; O 22.40%; S 14.97%

Biological Source: Prod. by *Acremonium chrysogenum*

Use/Importance: Starting material for cephem antibiotics

Melting Point: Mp 241-242°

Optical Rotation: $[\alpha]_D^{18} +111$ (c, 0.175 in DMSO)

Sigma: A8398

>>Derivative: *N*-Ac, Me ester

CAS Registry Number: 40818-81-3

Source/Synthesis: Semisynthetic

Physical Description: Needles (CH_2Cl_2 /petrol)

Melting Point: Mp 214-216°

Optical Rotation: $[\alpha]$