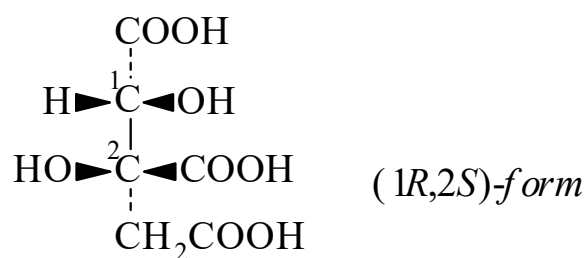




>>Entry Name: 1,2-Dihydroxy-1,2,3-propanetricarboxylic acid, 8CI

Synonym(s): 3-C-Carboxy-2-deoxypentonic acid, 9CI. Hydroxycitric acid



CAS Registry Number: 6205-14-7

Molecular Formula: C₆H₈O₈

Molecular Weight: 208.124

Accurate Mass: 208.02192

Percentage Composition: C 34.63%; H 3.87%; O 61.50%

General Statement: 9CI numbering starts from the other end of the chain

Sigma: H2641

>>Variant: (1R,2S)-form

Synonym(s): L-threo-form

CAS Registry Number: 6205-15-8

Molecular Formula: C₆H₈O₈

Molecular Weight: 208.124

Accurate Mass: 208.02192

Percentage Composition: C 34.63%; H 3.87%; O 61.50%

>>Derivative: γ-Lactone

Melting Point: Mp 179-180.5°

Optical Rotation: [α]_D²⁵+106.4 (H₂O)

>>Variant: (1S,2R)-form

Synonym(s): D-threo-form. (+)-allo-form. Hibiscus acid

CAS Registry Number: 27750-11-4

Type of Compound Code(s): VA1100

Molecular Formula: C₆H₈O₈

Molecular Weight: 208.124

Accurate Mass: 208.02192

Percentage Composition: C 34.63%; H 3.87%; O 61.50%

Biological Source: Isol. from *Hibiscus cannabinus* and *Hibiscus furcatus*

Optical Rotation: [α]_D +44 (c, 0.16 in H₂O)

>>Derivative: γ-Lactone

Optical Rotation: [α]_D²⁵+110 (c, 1.37 in H₂O)

>>Variant: (1S,2S)-form

Synonym(s): D-erythro-form. Garcinia acid

CAS Registry Number: 27750-10-3

Type of Compound Code(s): VA1100

Molecular Formula: C₆H₈O₈

Molecular Weight: 208.124

Accurate Mass: 208.02192

Percentage Composition: C 34.63%; H 3.87%; O 61.50%

Biological Source: Isol. from *Garcinia atroviridis*, *Garcinia indica* and *Garcinia cambogia*

Optical Rotation: [α]_D²⁵-20 (H₂O)