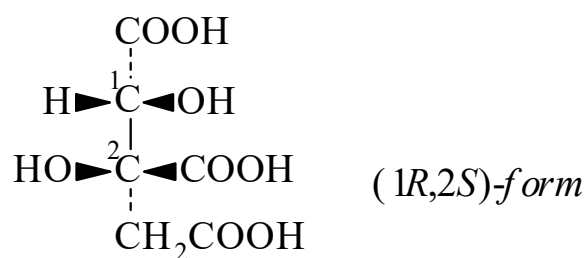




>>Entry Name: 1,2-Dihydroxy-1,2,3-propanetricarboxylic acid, 8CI

Synonym(s): 3-C-Carboxy-2-deoxypentatic 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: (1*R*,2*S*)-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: (1*S*,2*R*)-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: (1*S*,2*S*)-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)