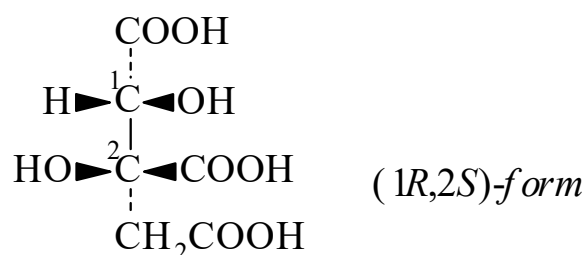




>>Entry Name: **1,2-Dihydroxy-1,2,3-propanetricarboxylic acid**, 8CI
Synonym(s): 3-C-Carboxy-2-deoxypentatic acid, 9CI. Hydroxycitric acid



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: $[\alpha]_D^{25} +106.4$ (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: $[\alpha]_D +44$ (c, 0.16 in H₂O)

>>Derivative: γ -Lactone

Optical Rotation: $[\alpha]_D^{25} +110$ (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: $[\alpha]_D^{25} -20$ (H₂O)