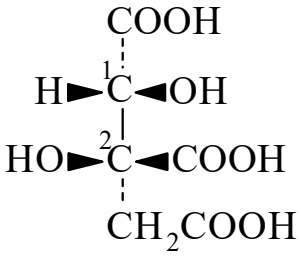
>>**Entry Name: 1,2-Dihydroxy-1,2,3-propanetricarboxylic acid,** 8CI
Synonym(s): 3-*C*-Carboxy-2-deoxypentaric acid, 9CI. Hydroxycitric acid



(1*R*,2*S*)-*form*

CAS Registry Number: 6205-14-7

Molecular Formula: $C_6H_8O_8$
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: $C_6H_8O_8$
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 (H_2O)

>>**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: $C_6H_8O_8$
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 H_2O)

>>**Derivative:** γ-Lactone

Optical Rotation: $[\alpha]_D^{25}$+110 (c, 1.37 in H_2O)

>>**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: $C_6H_8O_8$
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 (H_2O)