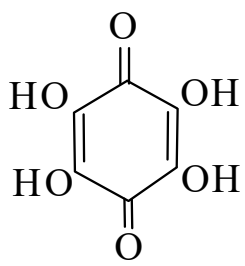
>>**Entry Name: Tetrahydroxy-1,4-benzoquinone**
Synonym(s): 2,3,5,6-Tetrahydroxy-2,5-cyclohexadiene-1,4-dione, 9CI. **Tetroquinone,** INN, USAN. Kelox. Terasin. HPEK 1. NSC 112931. THQ



CAS Registry Number: 319-89-1
Related CAS Registry Numbers(s): 1887-02-1 5676-48-2 123334-16-7

Molecular Formula: $C_6H_4O_6$
Molecular Weight: 172.094
Accurate Mass: 172.00079
Percentage Composition: C 41.88%; H 2.34%; O 55.78%

Use/Importance: Systemic keratolytic and antimicrobial agent; also shows antitrypanosomal, antiviral and carcinostatic activity. Used as indicator for titrimetric detn. of Ba, $SO_4^{2(-)}$
Physical Description: Black plates (2*M* HCl)
Melting Point: Mp 300°
pKa Value: pK_{a1} 4.55; pK_{a2} 6.65 (25°)
Calculated Log P Data: Log P –2.03 (calc)

Rare Chemicals Library: S61393-2
Sigma: T6385

>>**Derivative:** 2,5-Di-Ac

CAS Registry Number: 20129-59-3
Molecular Formula: $C_{10}H_8O_8$
Molecular Weight: 256.168
Accurate Mass: 256.02192
Percentage Composition: C 46.89%; H 3.15%; O 49.97%
Physical Description: Yellow cryst. (AcOH)
Melting Point: Mp 247-248°

>>**Derivative:** Tetra-Ac

CAS Registry Number: 20129-61-7
Molecular Formula: $C_{14}H_{12}O_{10}$
Molecular Weight: 340.243
Accurate Mass: 340.04305
Percentage Composition: C 49.42%; H 3.55%; O 47.02%
Physical Description: Pale-yellow needles (MeOH)
Melting Point: Mp 172-173°

>>**Derivative:** 2,5-Di-Me ether
Synonym(s): 2,5-Dihydroxy-3,6-dimethoxy-1,4-benzoquinone

CAS Registry Number: 62267-71-4
Molecular Formula: $C_8H_8O_6$
Molecular Weight: 200.148
Accurate Mass: 200.03209
Percentage Composition: C 48.01%; H 4.03%; O 47.96%
Physical Description: Red-brown cryst. (MeOH)
Melting Point: Mp 237-238°

https://www.baizuoyan.com - CopyRight ©baizuoyan