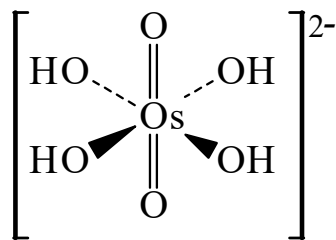




>>Entry Name: Tetrahydroxydioxosmate(VI)(2-)



CAS Registry Number: 88993-76-4

Extra CAS Registry Numbers(s): 10022-66-9

Molecular Formula: $\text{H}_4\text{O}_6\text{Os}^{2(-)}$

Molecular Weight: 290.228

Accurate Mass: 291.962257

Percentage Composition: H 1.39%; O 33.08%; Os 65.53%

Use/Importance: Precursor for a series of osmium cyanide and other complexes

Physical Description: Reddish purple salts dec. in air and H_2O

Other Data: The crystals of $\text{M}_2[\text{OsO}_2(\text{OH})_4]$ (M = K, Rb, Cs) are tetragonal and isostructural. Na, Rb, Ca, Ba salts also known

>>Derivative: K salt

CAS Registry Number: 77347-87-6

Extra CAS Registry Numbers(s): 10022-66-9

Source/Synthesis: Synth. by reduction of $\text{K}_2[\text{OsO}_4(\text{OH})_2]$ with EtOH on KNO_2

Use/Importance: Useful starting material for other Os complexes

Physical Description: Violet tetragonal cryst.

>>Derivative: Di-Cs salt

CAS Registry Number: 77340-44-4

Source/Synthesis: Synth. from CsOH and OsO_4 in EtOH

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