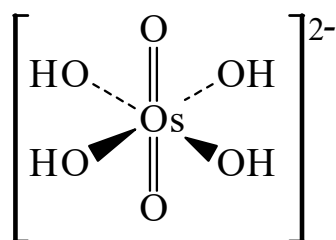




>>Entry Name: Tetrahydroxydioxosmate(VI)(2-)



CAS Registry Number: 88993-76-4

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

Molecular Formula: H₄O₆Os²⁽⁻⁾

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 H₂O

Other Data: The crystals of M₂[OsO₂(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 K₂[OsO₄(OH)₂] with EtOH on KNO₂

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 OsO₄ in EtOH

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