



>>Entry Name: Fluorosulfurous acid

HSO₂F

Molecular Formula: FHO₂S

Molecular Weight: 84.071

Accurate Mass: 83.968128

Percentage Composition: F 22.60%; H 1.20%; O 38.06%; S 38.14%

General Statement: Unstable as the free acid, best isol. as K salt

>>Derivative: K salt

Synonym(s): Potassium fluorosulfite

CAS Registry Number: 14986-57-3

Molecular Formula: FKO₂S

Molecular Weight: 122.162

Accurate Mass: 121.92401

Percentage Composition: F 15.55%; K 32.01%; O 26.19%; S 26.25%

Source/Synthesis: Synth. from KF + liq. SO₂

References:

Green, B. *et al.*, *J.C.S.(A)*, 1970, 987, (*synth, reactions*)

Bamgboye, T.T. *et al.*, *J. Inorg. Nucl. Chem.*, 1981, **43**, 2253, (*synth, reactions*)