



>>Entry Name: Nitryl hexafluoroantimonate(1-), 9Cl

Synonym(s): Nitronium hexafluoroantimonate

CAS Registry Number: 17856-92-7

$[\text{NO}_2]^{(+)}[\text{SbF}_6]^{(-)}$

Molecular Formula: $\text{F}_6\text{NO}_2\text{Sb}$

Molecular Weight: 281.746

Accurate Mass: 280.887143

Percentage Composition: F 40.46%; N 4.97%; O 11.36%; Sb 43.21%

Source/Synthesis: Synth. from $\text{NO}_2\text{Cl} + \text{HF} + \text{SbF}_5$

Physical Description: Solid

References:

Kuhn, S.J., *Can. J. Chem.*, 1967, **45**, 3207-3209, (*synth*)

Qureshi, A.M. *et al.*, *Can. J. Chem.*, 1970, **48**, 3117-3123, (*ir, Raman*)