



Melting Point: Mp 237°

>>**Derivative:** Tetrafluoroborate

CAS Registry Number: 338-38-5

Molecular Formula: C₁₂H₂₈BF₄N

Molecular Weight: 273.165

Accurate Mass: 273.225091

Percentage Composition: C 52.76%; H 10.33%; B 3.96%; F 27.82%; N 5.13%

Use/Importance: Electrolyte

Physical Description: Cryst. (MeOH/petrol or H₂O)

Melting Point: Mp 248-249°

>>**Derivative:** Tetraphenylborate

CAS Registry Number: 15556-39-5

Molecular Formula: C₃₆H₄₈BN

Molecular Weight: 505.593

Accurate Mass: 505.387979

Percentage Composition: C 85.52%; H 9.57%; B 2.14%; N 2.77%

Use/Importance: Electrolyte

Physical Description: Cryst. (H₂O)

Melting Point: Mp 248°

>>**Derivative:** Sulfate

CAS Registry Number: 56211-70-2

Melting Point: Mp 158-160°

Aldrich: 39682-6

Fluka: 88106

Sigma: T4416

>>**Derivative:** Perruthenate

Synonym(s): TPAP

Extra CAS Registry Numbers(s): 114615-82-6

Molecular Formula: C₁₂H₂₈NO₄Ru

Molecular Weight: 351.428

Accurate Mass: 352.106182

Percentage Composition: C 41.01%; H 8.03%; N 3.99%; O 18.21%; Ru 28.76%

Use/Importance: Mild catalytic oxidant

Physical Description: Green solid

Melting Point: Mp 163° (dec.)

References:

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