Product Name: Sodium Molybdate
Product Number: S043
CAS Number: 7631-95-0
Molecular Formula: Na$_2$MoO$_4$
Molecular Weight: 205.92 g/mol
Form: Powder
Appearance: Colorless crystalline
Solubility: Water: Freely soluble
Melting Point: 687 °C
Storage Conditions: Ambient
Description: Sodium molybdate is a freely soluble synthetic molybdenum containing compound.
Mechanism of Action: Sodium molybdate provides the nitrogen fixing soil bacteria Azotobacter with molybdenum which allows the cell to more efficiently fix atmospheric nitrogen by catalyzing bond breakage.
Plant Biology Applications: Sodium molybdate is commonly used in plant fertilizers as it aids in supplying plants with nitrogen.