

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 32527

**Product** **Strychnine**

(-)-Strychnine

**CAS Number** 57-24-9

**Molecular Formula** C<sub>21</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight** 334.41

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**Appearance** White crystalline powder

**Solubility** Soluble in water (1 in 7000), boiling water (1 in 2500),  
Alcohol 90% (1 in 150 ), boiling Alcohol (1 in 12),  
Chloroform (1 in 6)

**Readily Carbonizable  
Substance** Dissolve 0.25g in 5ml Sulfuric Acid not more than a faint  
Yellow color is produced

**Ash** ≤ 0.1%

**Assay by titration** ≥ 99%

**Application** Strychnine has been used in antagonist profiling to characterize a novel

**Storage** Store at RT

**Additional Information** Brucine : Free  
Identification:  
A) To 0.1 g add 3ml of H<sub>2</sub>SO<sub>4</sub> containing 1% Ammonium Vanadate. A  
deep violet Blue color changes to deep purple, on dilution with water it  
changes to Cherry Red color, which persists for some time.  
B) Dissolve a small fragment in 2 or 3 drops of H<sub>2</sub>SO<sub>4</sub> on a white  
porcelain plate and pass a small crystal of K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> slowly through the  
solution, and intense violate colour is produced, which changes through  
Yellow to Red color.

**For Laboratory Use Only**

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