Product Information

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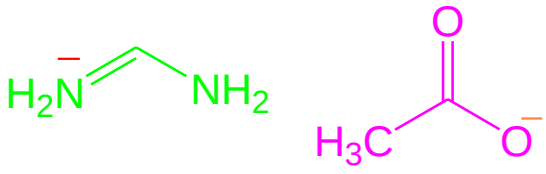
Formamidine Acetate

***Product Number*: SM6010000**



Specifications

CAS Number: 3473-63-0

M.F. (Repeat Unit): $CN_2H_4 \cdot xC_2O_2H_4$

M.W. (free base basis): 44.06

Appearance (Form): Powder

Appearance (Color): White to Light Yellow

Infrared Spectrum: Conforms to Structure

Store: at 2 - 8 °C

Purity (Titration): 96 - 97 %

Degree of Substitution: 0.3 – 1.5

Melting Point: 156-160 °C

pH: 8 ($mg.mL^{-1}$; Water)

Solubility (Water): up to c = 800 $mg.mL^{-1}$

Solubility (Turbidity): Clear

Description

Formamidine Acetate is a relatively unstable organic salt and used for synthesis of nucleotide scaffolds.

Applications

Formamidine Acetate salt is widely used in the preparation of formamidinium lead triiodide ($FAPbI_3$) perovskites for perovskite solar cells, and as an intermediate in the synthesis of active pharmaceutical ingredients. It is also used as a condensing agent for the preparation of pyrimidine and imidazole heterocycles.

Precautions

For laboratory and research use. Not for drug, household or other uses.

Stability

Formamidine Acetate powder is stable for at least 3 months at 2 - 8 °C. Storage its stock powder at elevated temperature for more than 1 week may cause decomposition and yield incorrect results.

Packaging

5 and 10 g in glass bottle