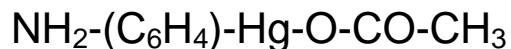




Product Information

p-AMINOPHENYLMERCURIC ACETATE
Sigma Prod. No. A9563



CAS NUMBER: 6283-24-5

SYNONYMS: APMA; (Acetato)(p-aminophenyl)mercury; p-(acetoxymmercuri)aniline; p-aminophenylmercuric acetate

PHYSICAL DESCRIPTION:

Appearance: white powder with a faint yellow cast
Molecular formula: $\text{C}_8\text{H}_9\text{HgNO}_2$
Formula weight: 351.8
Melting range 163-165°C¹

STORAGE / STABILITY AS SUPPLIED:

APMA is stable at room temperature for at least 3 years.²

SOLUBILITY / SOLUTION STABILITY:

APMA is soluble in DMSO at least at 10 mg/mL. In 100% acetic acid, a 50 mg/mL solution is clear light yellow.² Stock solutions at 10 mM in 0.05 N NaOH have been reported,³ but in water only about 5 mM is possible. Solutions of APMA should be prepared just before use.⁶

GENERAL USAGE:

The product is used as an activator of several of metalloproteases at 0.5 mM³ to 1.5 mM. Incubations were conducted at 37°C for 4 to 16 hours.^{3,4,5,6,7,8,9}

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