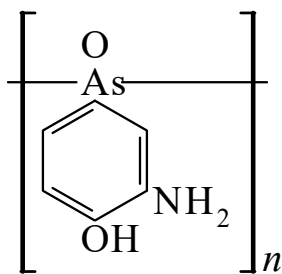




>>Entry Name: Oxophenarsine, INN

Synonym(s): 2-Amino-4-arsenosophenol, 9Cl, 8Cl. (3-Amino-4-hydroxyphenyl)oxoarsine. 3-Amino-4-hydroxyarsenoxide. Arsphenoxide. NSC 3087



CAS Registry Number: 306-12-7

Molecular Formula: $C_6H_6AsNO_2$

Molecular Weight: 199.04

Accurate Mass: 198.961448

Percentage Composition: C 36.21%; H 3.04%; As 37.64%; N 7.04%; O 16.08%

Use/Importance: Sulfhydryl inhibitor, antitrypanosomal, antibacterial, antineoplastic agent, anthelmintic. Inhibits HIV-1 specific protein synth.

Physical Description: Bright yellow deliquescent powder or white cryst. + $1H_2O$

Melting Point: Mp 133 dec.°

>>Derivative: Hydrochloride

Synonym(s): Mapharsen. Many other names

CAS Registry Number: 538-03-4

Physical Description: Greenish-yellow solid or hygroscopic off-white powder + $\frac{1}{2} EtOH$

Melting Point: Mp 147 dec.°

Solubility: Sol. H_2O , EtOH

Hazard & Toxicity: LD₅₀ (mus, ipr) 31 mg/kg

>>Derivative: N-Ac

Synonym(s): 3-Acetamido-4-hydroxyphenylarsenoxide. 2-Hydroxy-5-arsensoacetanilide. 2-Acetamido-4-arsenosophenol

Molecular Formula: $C_8H_8AsNO_3$

Molecular Weight: 241.078

Accurate Mass: 240.972013

Percentage Composition: C 39.86%; H 3.34%; As 31.08%; N 5.81%; O 19.91%

Physical Description: White prisms

Melting Point: Mp 185-186°

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