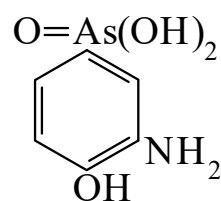




>>Entry Name: (3-Amino-4-hydroxyphenyl)arsonic acid, 9Cl

Synonym(s): (3-Amino-4-hydroxybenzene)arsonic acid. 2-Aminophenol-4-arsonic acid



CAS Registry Number: 2163-77-1

Related CAS Registry Numbers(s): 86850-42-2

Molecular Formula: C₆H₈AsNO₄

Molecular Weight: 233.055

Accurate Mass: 232.966928

Percentage Composition: C 30.92%; H 3.46%; As 32.15%; N 6.01%; O 27.46%

Source/Synthesis: Synth. by redn. of the corresp. nitro acid with FeSO₄ or by Na₂S₂O₄

Melting Point: Mp 290 dec.° (darkens at 220°)

Solubility: Spar. sol. H₂O, most org. solvs.

Other Data: Reacts with SO₂/HCl to give Dichlorophenarsine [FKN38-W](#)

Hazard & Toxicity: LD₅₀ (rat, ims) 500 mg/kg

Rare Chemicals Library: S36640-4

>>Derivative: N-Ac

Synonym(s): Acetarsol, BAN, INN. Acetarsone. Acetphenarsine. Osarsol. Stovarsol. Ehrlich 594. Many other names

CAS Registry Number: 97-44-9

Molecular Formula: C₈H₁₀AsNO₅

Molecular Weight: 275.092

Accurate Mass: 274.977493

Percentage Composition: C 34.93%; H 3.66%; As 27.24%; N 5.09%; O 29.08%

Biological Use/Importance: Antisyphilitic, antiprotozoal, freq. for vet. use. Superseded by less toxic drugs

Development Status: Discontinued

Melting Point: Mp 220-221°. Mp 240-250 dec.°

Calculated Log P Data: Log P -1.36 (calc)

Rare Chemicals Library: S45093-6

Sigma: A0259

>>Derivative: N-Ac, Et₂NH salt (1:1)

Synonym(s): Acetylarson

CAS Registry Number: 534-33-8

>>Derivative: N-Ac, 2-hydroxyethylamine salt

Synonym(s): Solvarsin. Many other names

Solubility: Sol. H₂O; spar. sol. org. solvs.

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