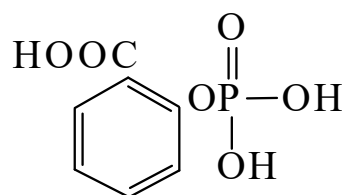




>>Entry Name: **2-(Phosphonooxy)benzoic acid**, 9CI

Synonym(s): Salicylic acid dihydrogen phosphate, 8CI. **Fosfosal**, INN



CAS Registry Number: 6064-83-1

Molecular Formula: C₇H₇O₆P

Molecular Weight: 218.102

Accurate Mass: 217.998027

Percentage Composition: C 38.55%; H 3.23%; O 44.01%; P 14.20%

Use/Importance: Nonnarcotic analgesic with antiinflammatory and antipyretic props.

Physical Description: Solid

Development Status: Launched 1984

Melting Point: Mp 168-170°

Hazard & Toxicity: LD₅₀ (rat, orl) 1104 mg/kg

Sigma: C9250

>>Derivative: Mono-Na salt

Physical Description: Solid

Melting Point: Mp 172-175°

>>Derivative: Di-Na salt

Physical Description: Solid

Melting Point: Mp 350°

>>Derivative: Tri-Na salt

Physical Description: Solid

Melting Point: Mp 350°

>>Derivative: Tri-Me ester

Synonym(s): Methyl [2-(dimethoxyphosphinyl)oxy]benzoate

Molecular Formula: C₁₀H₁₃O₆P

Molecular Weight: 260.183

Accurate Mass: 260.044977

Percentage Composition: C 46.16%; H 5.04%; O 36.90%; P 11.90%

Physical Description: Liq.

Boiling Point: Bp_{0.05} 132°

Refractive Index: n_D²⁹ 1.5020

>>Derivative: Tri-Et ester

Synonym(s): Ethyl [2-(diethoxyphosphinyl)oxy]benzoate. Salicylic acid ethyl ester, diethyl phosphate, 8CI

CAS Registry Number: 32565-98-3

Molecular Formula: C₁₃H₁₉O₆P

Molecular Weight: 302.263

Accurate Mass: 302.091927

Percentage Composition: C 51.66%; H 6.34%; O 31.76%; P 10.25%

Physical Description: Liq.

Boiling Point: Bp_{0.008} 126-128°

Density: d₄²⁰ 1.19

Refractive Index: n_D²⁰ 1.4832