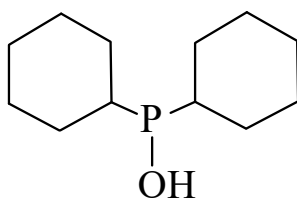




>>Entry Name: Dicyclohexylphosphinous acid, 9CI



Molecular Formula: C₁₂H₂₃OP

Molecular Weight: 214.287

Accurate Mass: 214.148652

Percentage Composition: C 67.26%; H 10.82%; O 7.47%; P 14.45%

General Statement: The free acid exists in the tautomeric phosphoryl form. See Dicyclohexylphosphine [GGQ87-I](#)

>>Derivative: Et ester

Synonym(s): Ethyl dicyclohexylphosphinite

CAS Registry Number: 80413-46-3

Molecular Formula: C₁₄H₂₇OP

Molecular Weight: 242.34

Accurate Mass: 242.179952

Percentage Composition: C 69.39%; H 11.23%; O 6.60%; P 12.78%

Physical Description: Liq.

Boiling Point: Bp₁ 111-113°

Refractive Index: n_D²⁰ 1.4950

>>Derivative: Trimethylsilyl ester

Synonym(s): Trimethylsilyl dicyclohexylphosphinite

Molecular Formula: C₁₅H₃₁OPSi

Molecular Weight: 286.468

Accurate Mass: 286.188179

Percentage Composition: C 62.89%; H 10.91%; O 5.59%; P 10.81%; Si 9.80%

Physical Description: Liq.

Boiling Point: Bp₁ 108-110°

Refractive Index: n_D²⁰ 1.4919

>>Derivative: Chloride

Synonym(s): Chlorodicyclohexylphosphine

CAS Registry Number: 16523-54-9

Molecular Formula: C₁₂H₂₂ClP

Molecular Weight: 232.732

Accurate Mass: 232.114764

Percentage Composition: C 61.93%; H 9.53%; Cl 15.23%; P 13.31%

Physical Description: Oily liq.

Boiling Point: Bp₁₀ 164-166°. Bp_{0.4} 50.5-51°

Density: d₄²⁰ 1.22

Refractive Index: n_D²⁰ 1.5330

>>Derivative: Bromide

Synonym(s): Bromodicyclohexylphosphine

Molecular Formula: C₁₂H₂₂BrP

Molecular Weight: 277.183

Accurate Mass: 276.084248

Percentage Composition: C 52.00%; H 8.00%; Br 28.83%; P 11.17%

Physical Description: Oil

Boiling Point: Bp₁₂ 171°