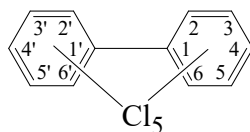




>>Entry Name: Pentachlorobiphenyls



CAS Registry Number: 25429-29-2

Molecular Formula: C₁₂H₅Cl₅

Molecular Weight: 326.435

Accurate Mass: 323.883385

Percentage Composition: C 44.15%; H 1.54%; Cl 54.30%

Source/Synthesis: Present in commercial PCB mixtures (AroclorTM, ChlorphenTM, KannechlorTM, FenchlorTM) which were widely used in electrical capacitors and transformers, flame-retardants and hydraulic fluids. The use of PCBs is now restricted or prohibited in most countries

Use/Importance: Widespread environmental pollutants

>>Variant: 2,2',3,3',4-Pentachlorobiphenyl

Synonym(s): PCB 82

CAS Registry Number: 52663-62-4

Molecular Formula: C₁₂H₅Cl₅

Molecular Weight: 326.435

Accurate Mass: 323.883385

Percentage Composition: C 44.15%; H 1.54%; Cl 54.30%

Melting Point: Mp 119-120.5°

>>Variant: 2,2',3,3',5-Pentachlorobiphenyl

Synonym(s): PCB 83

CAS Registry Number: 60145-20-2

Molecular Formula: C₁₂H₅Cl₅

Molecular Weight: 326.435

Accurate Mass: 323.883385

Percentage Composition: C 44.15%; H 1.54%; Cl 54.30%

Melting Point: Mp 83-84°

>>Variant: 2,2',3,3',6-Pentachlorobiphenyl

Synonym(s): PCB 84

CAS Registry Number: 52663-60-2

Molecular Formula: C₁₂H₅Cl₅

Molecular Weight: 326.435

Accurate Mass: 323.883385

Percentage Composition: C 44.15%; H 1.54%; Cl 54.30%

Melting Point: Mp 109-110°

>>Variant: 2,2',3,4,4'-Pentachlorobiphenyl

Synonym(s): PCB 85

CAS Registry Number: 65510-45-4

Molecular Formula: C₁₂H₅Cl₅

Molecular Weight: 326.435

Accurate Mass: 323.883385

Percentage Composition: C 44.15%; H 1.54%; Cl 54.30%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 51-53°

>>Variant: 2,2',3,4,5-Pentachlorobiphenyl

Synonym(s): PCB 86

CAS Registry Number: 55312-69-1

Molecular Formula: C₁₂H₅Cl₅

Molecular Weight: 326.435

Accurate Mass: 323.883385

Percentage Composition: C 44.15%; H 1.54%; Cl 54.30%

Melting Point: Mp 85-86°