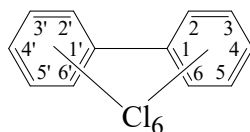




>>Entry Name: Hexachlorobiphenyls



CAS Registry Number: 26601-64-9

Related CAS Registry Numbers(s): 153084-05-0

Molecular Formula: C₁₂H₄Cl₆

Molecular Weight: 360.88

Accurate Mass: 357.844412

Percentage Composition: C 39.94%; H 1.12%; Cl 58.94%

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',4,4'-Hexachlorobiphenyl

Synonym(s): PCB 128

CAS Registry Number: 38380-07-3

Molecular Formula: C₁₂H₄Cl₆

Molecular Weight: 360.88

Accurate Mass: 357.844412

Percentage Composition: C 39.94%; H 1.12%; Cl 58.94%

Melting Point: Mp 150-152°

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

Synonym(s): PCB 129

CAS Registry Number: 55215-18-4

Molecular Formula: C₁₂H₄Cl₆

Molecular Weight: 360.88

Accurate Mass: 357.844412

Percentage Composition: C 39.94%; H 1.12%; Cl 58.94%

Melting Point: Mp 102-104°

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

Synonym(s): PCB 130

CAS Registry Number: 52663-66-8

Molecular Formula: C₁₂H₄Cl₆

Molecular Weight: 360.88

Accurate Mass: 357.844412

Percentage Composition: C 39.94%; H 1.12%; Cl 58.94%

Melting Point: Mp 114-116°

>>Variant: 2,2',3,3',4,6-Hexachlorobiphenyl

Synonym(s): PCB 131

CAS Registry Number: 61798-70-7

Molecular Formula: C₁₂H₄Cl₆

Molecular Weight: 360.88

Accurate Mass: 357.844412

Percentage Composition: C 39.94%; H 1.12%; Cl 58.94%

Melting Point: Mp 135-137°

>>Variant: 2,2',3,3',4,6'-Hexachlorobiphenyl

Synonym(s): PCB 132

CAS Registry Number: 38380-05-1

Molecular Formula: C₁₂H₄Cl₆

Molecular Weight: 360.88

Accurate Mass: 357.844412

Percentage Composition: C 39.94%; H 1.12%; Cl 58.94%

Melting Point: Mp 116-118°