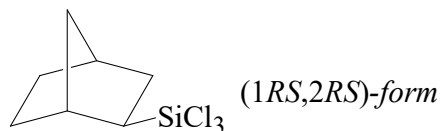




>>Entry Name: Bicyclo[2.2.1]hept-2-yltrichlorosilane, 10Cl

Synonym(s): Trichloro-2-norbornylsilane



CAS Registry Number: 18245-29-9

Molecular Formula: C₇H₁₁Cl₃Si

Molecular Weight: 229.608

Accurate Mass: 227.969558

Percentage Composition: C 36.62%; H 4.83%; Cl 46.32%; Si 12.23%

>>Variant: (1*RS*,2*RS*)-form

Synonym(s): (±)-*exo*-form

CAS Registry Number: 65118-93-6

Extra CAS Registry Numbers(s): 76420-00-3 146075-48-1

Molecular Formula: C₇H₁₁Cl₃Si

Molecular Weight: 229.608

Accurate Mass: 227.969558

Percentage Composition: C 36.62%; H 4.83%; Cl 46.32%; Si 12.23%

Source/Synthesis: Synth. from bicyclo[2.2.1]hept-2-ene + HSiCl₃ + H₂PtCl₆

Boiling Point: Bp₁₇ 97-105°

>>Variant: (1*RS*,2*SR*)-form

Synonym(s): (±)-*endo*-form

CAS Registry Number: 79812-96-7

Molecular Formula: C₇H₁₁Cl₃Si

Molecular Weight: 229.608

Accurate Mass: 227.969558

Percentage Composition: C 36.62%; H 4.83%; Cl 46.32%; Si 12.23%

Source/Synthesis: Synth. by hydrogenation of *endo*-bicyclo[2.2.1]hept-5-en-2-yltrichlorosilane

Boiling Point: Bp₁₆ 98°

References:

Green, M. *et al.*, *J.C.S. Dalton*, 1977, 1519-1525, (*synth*, *pmr*)

Tamao, K. *et al.*, *Organometallics*, 1982, **1**, 355-368, (*synth*, *pmr*)