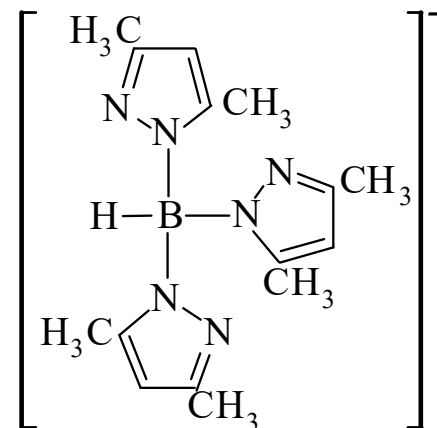




>>Entry Name: Tris(3,5-dimethyl-1*H*-pyrazolato-*N'*)hydroborate(1-), 10Cl, 9Cl

Synonym(s): Hydrotris(3,5-dimethyl-1-pyrazolyl)borate



Molecular Formula: C₁₅H₂₂BN₆⁽⁻⁾

Molecular Weight: 297.19

Accurate Mass: 297.199899

Percentage Composition: C 60.62%; H 7.46%; B 3.64%; N 28.28%

Source/Synthesis: TESTING 2-Chloro-1,3,2-benzodioxaborole [FJD77-C](#) and Dichloro(diisopropylamino)borane [FHL69-B](#)

Use/Importance: Used in metal complex formn.

>>Derivative: K salt

CAS Registry Number: 17567-17-8

Molecular Formula: C₁₅H₂₂BKN₆

Molecular Weight: 336.288

Accurate Mass: 336.163606

Percentage Composition: C 53.57%; H 6.59%; B 3.21%; K 11.63%; N 24.99%

Melting Point: Mp 298-300 dec.°

Other Data: Sublimes at 280°/1 mm

>>Derivative: Li salt

CAS Registry Number: 17857-04-4

Molecular Formula: C₁₅H₂₂BLiN₆

Molecular Weight: 304.131

Accurate Mass: 304.215902

Percentage Composition: C 59.24%; H 7.29%; B 3.55%; Li 2.28%; N 27.63%

Physical Description: Cryst. (xylene)

Melting Point: Mp 304-305°

Other Data: Sublimes *in vacuo*

>>Derivative: ZrCl₃ complex

Synonym(s): Trichloro[tris(3,5-dimethyl-1*H*-pyrazolato-*N'*)hydroborato(1-)-*N*²,*N*^{2'},*N*^{2''}]zirconium, 11Cl

CAS Registry Number: 80041-67-4

Molecular Formula: C₁₅H₂₂BCl₃N₆Zr

Molecular Weight: 494.772

Accurate Mass: 492.011158

Percentage Composition: C 36.41%; H 4.48%; B 2.19%; Cl 21.50%; N 16.99%; Zr 18.44%

Physical Description: White solid (crude prod. usually light-yellow)

Melting Point: Mp 334 dec.°

>>Derivative: ZrCl₂(OMe) complex

Synonym(s): Dichloromethoxy[tris(3,5-dimethyl-1*H*-pyrazolato-*N'*)hydroborato(1-)-*N*²,*N*^{2'},*N*^{2''}]zirconium, 11Cl

CAS Registry Number: 80041-68-5

Molecular Formula: C₁₆H₂₅BCl₂N₆OZr

Molecular Weight: 490.354

Accurate Mass: 488.060696

Percentage Composition: C 39.19%; H 5.14%; B 2.20%; Cl 14.46%; N 17.14%; O 3.26%; Zr 18.60%

Physical Description: White solid

Melting Point: Mp 289-292°

References: