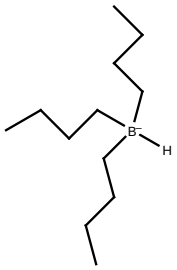
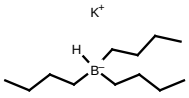
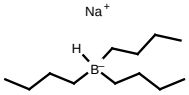
Query

	Query	Results	Date
1. Query	 Search as: As drawn	5 substances	2011-11-15 08h:06m:33s (EST)

Reaxys ID 4006677 View in Reaxys	1/5
	**Chemical Name**: potassium-selectride=Kalium-selectrid; nBu3BHK **Molecular Formula**: $C_{12}H_{28}B*K$ **CAS Registry Number**: 67940-39-0 **Molecular Weight**: 222.264 **Linear Structure Formula**: $K^{(1+)}*BH(C_4H_9)3^{(1-)}=KBH(C_4H_9)3$ **Type of Substance**: acyclic; Coordination compound **InChIKey**: DMVRIUSSUUTYFE-UHFFFAOYSA-N **Note:**

NMR Spectroscopy (1)		
1 of 1	Description	NMR
	Comment	11B
	Brown; Krishnamurthy; Journal of Organometallic Chemistry; **vol.** 156; (1978); p. 111,117, View in Reaxys	

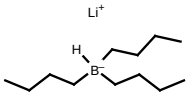
IR Spectroscopy (1)	
Description	References
IR	**Brown; Krishnamurthy**; Journal of Organometallic Chemistry; **vol.** 156; (1978); p. 111,117, View in Reaxys

Reaxys ID 4157405 View in Reaxys	2/5
	**Chemical Name**: sodium tri-n-butylhydroborate; Natrium-tri-n-butylborhydrid; Natrium-tributyl-boranat **Molecular Formula**: $C_{12}H_{28}B*Na$ **Molecular Weight**: 206.155 **Linear Structure Formula**: $Na^{(1+)}*HB(C_4H_9)3^{(1-)}=NaBH(C_4H_9)3$ **Type of Substance**: acyclic; Coordination compound **InChIKey**: INBGIUCSCRWOHB-UHFFFAOYSA-N **Note:**

Melting Point (2)	
Melting Point [°C]	References
62	**Binger,P. et al.**; Justus Liebigs Annalen der Chemie; **vol.** 717; (1968); p. 21 - 40, View in Reaxys
62	**Binger, P.; benedikt, G.; Rotermund, G. W.; Koester, R.**; Liebigs Annalen der Chemie; **vol.** 717; (1968); p. 21 - 40, View in Reaxys; **vol.** B: B-Verb.8; 4, page 66 - 72 ; (from Gmelin) , View in Reaxys

NMR Spectroscopy (2)		
1 of 2	Nucleus	11B
	Solvents	toluene; tetrahydrofuran
	Comment	Signals given
	Hubbard, John L.; Journal of the Chemical Society, Chemical Communications; (1989); p. 1639 - 1640 ; (from Gmelin) , View in Reaxys	
2 of 2	Description	NMR
	Comment	11B
	Brown,H.C. et al.; Journal of the American Chemical Society; **vol.** 100; (1978); p. 3343 - 3349, View in Reaxys	

IR Spectroscopy (3)		
Description	Solvent	References
IR		**Brown,H.C. et al.**; Journal of the American Chemical Society; **vol.** 100; (1978); p. 3343 - 3349, View in Reaxys; **Binger,P. et al.**; Justus Liebigs Annalen der Chemie; **vol.** 717; (1968); p. 21 - 40, View in Reaxys
Bands	cyclohexane	**Binger, P.; benedikt, G.; Rotermund, G. W.; Koester, R.**; Liebigs Annalen der Chemie; **vol.** 717; (1968); p. 21 - 40 ; (from Gmelin) , View in Reaxys
Bands	cyclohexane	**vol.** B: B-Verb.8; 4, page 66 - 72 ; (from Gmelin) , View in Reaxys

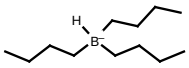
Reaxys ID 4007576 View in Reaxys	3/5
	**Chemical Name**: LiHB(s-Bu)3; Lithium-tri-n-butylborhydrid; LiH(n-Bu)3B; n-Bu3BHLi; LiBHBu3 **Molecular Formula**: $C_{12}H_{28}B*Li$ **CAS Registry Number**: 67335-72-2 **Molecular Weight**: 190.106 **Linear Structure Formula**: $Li^{(1+)}*C_{12}H_{28}B^{(1-)}$ **Type of Substance**: acyclic; Coordination compound **InChIKey**: XEGHKBNMKSZTJS-UHFFFAOYSA-N **Note:**

NMR Spectroscopy (3)

1 of 3	Nucleus	11B
	Coupling Nuclei	1H
	Solvents	hexane; tetrahydrofuran
	Comment	Signals given
	Biffar, Werner; Noth, Heinrich; Sedlak, Dieter; Organometallics; **vol.** 2; (1983); p. 579 - 585 ; (from Gmelin) , View in Reaxys	
2 of 3	Nucleus	11B
	Coupling Nuclei	1H
	Solvents	tetrahydrofuran; pentane
	Comment	Signals given
	Brown, Herbert C.; Kramer, Gary W.; Hubbard, John L.; Krishnamurthy, S.; Journal of Organometallic Chemistry; **vol.** 188; (1980); p. 1 - 10 ; (from Gmelin) , View in Reaxys	
3 of 3	Description	NMR
	Comment	11B
	Brown,H.C. et al.; Journal of the American Chemical Society; **vol.** 100; (1978); p. 3343 - 3349, View in Reaxys	

IR Spectroscopy (2)

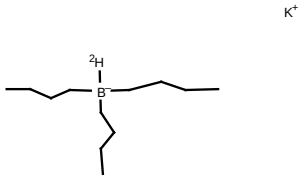
Description	Solvent	Temperature [°C]	References
Bands	tetrahydrofuran	25	**Brown, Herbert C.; Kramer, Gary W.; Hubbard, John L.; Krishnamurthy, S.**; Journal of Organometallic Chemistry; **vol.** 188; (1980); p. 1 - 10 ; (from Gmelin) , View in Reaxys
IR			**Brown,H.C. et al.**; Journal of the American Chemical Society; **vol.** 100; (1978); p. 3343 - 3349, View in Reaxys

Reaxys ID 4126433 View in Reaxys	4/5
	**Chemical Name**: tributyl-hydrido-borate(1-); Tri-n-butylborhydrid-Anion; tri-n-butylborohydride **Molecular Formula**: $C_{12}H_{28}B$ **Molecular Weight**: 183.165 **Linear Structure Formula**: $C_{12}H_{28}B^{(1-)}$ **Type of Substance**: acyclic **InChIKey**: NMXXHSNUFXSPTG-UHFFFAOYSA-N **Note:**

Derivative (2)

Comment	References
Li-Salz: B.: B(n-Bu)3, LiAlH4, Triaethylendiamin; IR; 11B-NMR (Tab.I)	**Brown et al.**; Journal of Organic Chemistry; **vol.** 44; (1979); p. 5004, View in Reaxys

Li^+-Salz: aus n-Bu3B, LiAlH(OMe)3	**Brown et al.**; Journal of Organometallic Chemistry; **vol.** 166; (1979); p. 271,274, 275, 276, 278, View in Reaxys
Further Information (2)	
Description	References
Further information	**Brown et al.**; Journal of Organometallic Chemistry; **vol.** 166; (1979); p. 271,274, 275, 276, 278, View in Reaxys
Further information	**Brown et al.**; Journal of Organic Chemistry; **vol.** 44; (1979); p. 5004, View in Reaxys

Reaxys ID 17140631 View in Reaxys	5/5
	**Molecular Formula**: $C_{12}H_{28}B^*K$ **Molecular Weight**: 223.256 **Linear Structure Formula**: $K^{(1+)}*B^{(2)}H((CH_2)3CH_3)3^{(1-)}=K(B^{(2)}H((CH_2)3CH_3)3)$ **Type of Substance**: Isotope or isotope containing compound **InChIKey**: DMVRIUSSUUTYFE-WSCBMPOBSA-N **Note:**