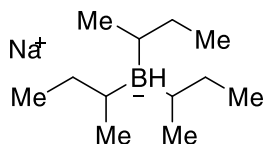


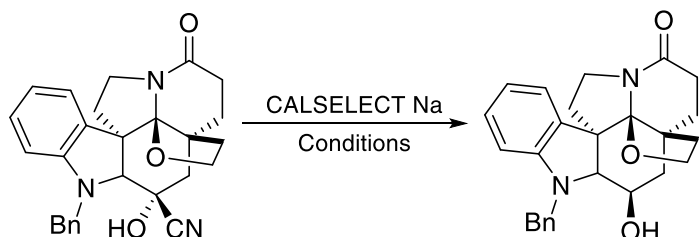
Catalog # 11-1600 CALSELECT™ Sodium tri-sec-butylborohydride, 1M in tetrahydrofuran, CALSELECT Na



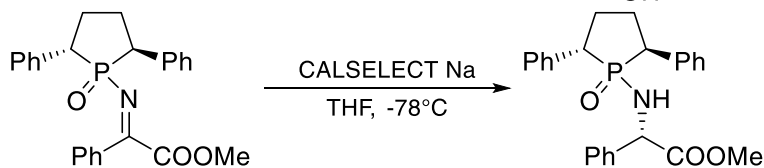
Alkali metal trialkylborohydrides have been used in numerous stereoselective and regioselective reductions. The strength and reactivity of these reducing agents varies with the steric bulk of the alkyl groups and the alkali metal ion.

Technical Notes:

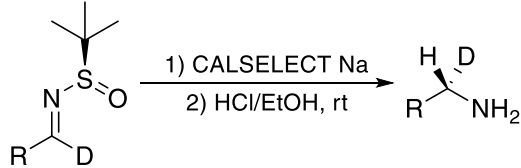
1. Used for the diastereoselective cyanohydrin ketone reduction during the total synthesis of (+)-fendleridine (aspidoalbidine) and (+)-1-acetylaspidoalbidine.
2. Reductant used in the asymmetric reduction of α -imino esters.
3. Used for synthesis of optically active deuterated primary amines.
4. Used in the preparation of CO₂ hydrogenation cobalt precatalysts.
5. Reductant for different 3-substituted cyclobutanones.



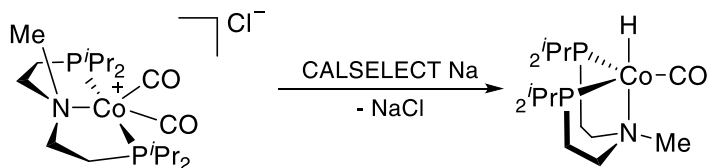
Tech Note (1)
Ref. (1)



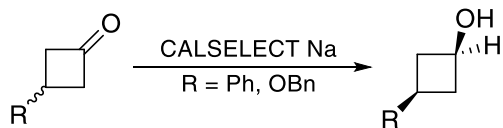
Tech Note (2)
Ref. (2)



Tech Note (3)
Ref. (3)



Tech Note (4)
Ref. (4)



Tech Note (5)
Ref. (5)

References:

1. [J. Am. Chem. Soc. **2010**, 132, 3009.](#)
2. [Beilstein J. Org. Chem. **2014**, 10, 653.](#)
3. [J. Org. Chem. **2014**, 79, 8417.](#)
4. [Inorg. Chem. **2016**, 55, 8225.](#)
5. [J. Org. Chem. **2020**, 85, 7803.](#)