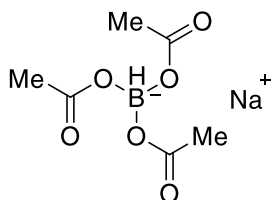


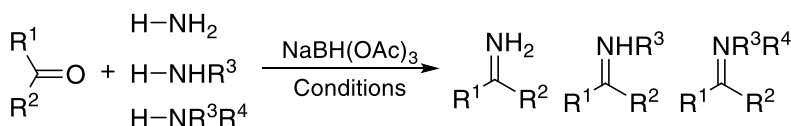
Catalog # 11-0595 CALSELECT™ Sodium triacetoxyborohydride, min. 97%, CALSELECT STAB



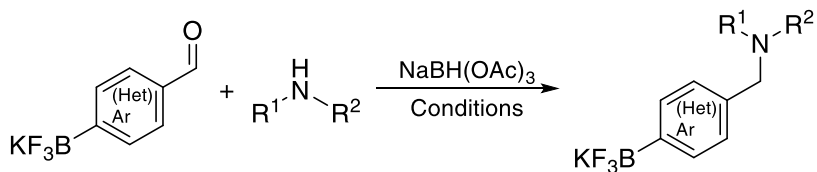
Alkali metal trialkylborohydrides have been used in numerous stereoselective and regioselective reductions. The strength and reactivity of these reducing agents varies with the steric bulk of the alkyl groups and the alkali metal ion. CALSELECT STAB is a selective reducing agent that has proven to be extremely useful in reductive aminations

Technical Notes:

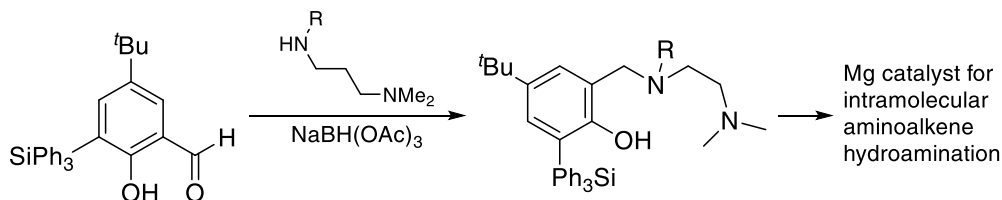
1. Catalyst used for the reductive amination of aldehydes and ketones
2. Used in functionalization of aldehyde-containing potassium and tetrabutylammonium organotrifluoroborates via reductive amination
3. Used for the synthesis of the triphenylsilyl-substituted ligands L2H and L3H via reductive amination of a triphenylsilyl-substituted salicylaldehyde and the corresponding amines to generate Mg catalyst for intramolecular aminoalkene hydroamination
4. Used in the construction of an effective hapten-protein conjugate for a heroin vaccine for the blocking heroin's effects
5. Used for reduction of enamine to amines
6. Used for the reduction of graphene oxide
7. Used for the indanol methylene unites to generate 3-hydroxy- and 3-aminoindanols
8. Used in the synthesis of N-substituted 3-amino-4-halopyridines via sequential Boc-removal/reductive amination



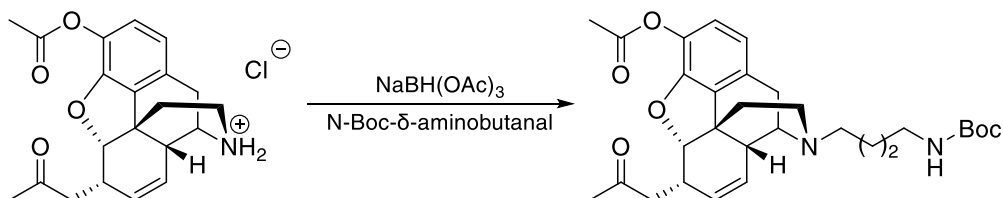
Tech Note (1)
Ref. (1, review)



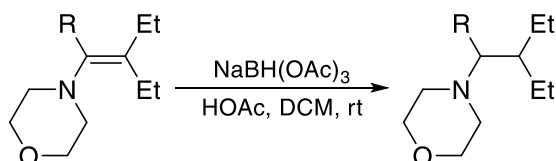
Tech Note (2)
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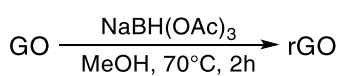
Tech Note (3)
Ref. (3)



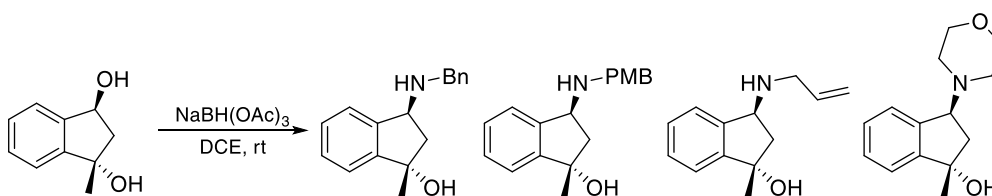
Tech Note (4)
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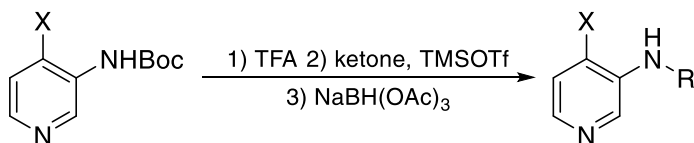
Tech Note (5)
Ref. (5)



Tech Note (6)
Ref. (6)



Tech Note (7)
Ref. (7)



Tech Note (8)
Ref. (8)

References:

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