

Title (en)

PROCESS FOR SELECTIVE NITRILE REDUCTION.

Title (de)

VERFAHREN ZUR SELEKTIVEN REDURZIERUNG VON NITRILEN.

Title (fr)

PROCEDE DE REDUCTION SELECTIVE DE NITRILE.

Publication

EP 0154631 A4 19851125 (EN)

Application

EP 84902999 A 19840720

Priority

- US 51787183 A 19830727
- US 55295983 A 19831118

Abstract (en)

[origin: WO8500605A1] Process for selective reduction of nitrile-functional groups on complex molecules without otherwise alteration of the complex molecule. In brief, the process of this invention involves the use of a reagent comprising cobalt chloride and a stoichiometric excess of an alkali metal borohydride. This reagent enables the selective reduction of a nitrile-functional group of a complex molecule without otherwise alteration of the molecule. The ability to selectively reduce the nitrile-functional group to the corresponding amine can be used to advantage in the cross-coupling of haptens to a variety of labels, such as enzymes and fluorophores. These labelled haptens are useful in immunoassay of biological samples.

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Citation (search report)

- No relevant documents have been disclosed
- See references of WO 8500605A1

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