

CHAPTER OVERVIEW

14: Nitro Compounds

Carbohydrates contain two types of nitro groups. The first type has the nitrogen atom in this group attached to a carbon atom in the carbohydrate framework (creating a deoxynitro or C-nitro carbohydrate) and the second has the nitrogen atom bonded to an oxygen atom in the carbohydrate structure (making an O-nitro carbohydrate or a carbohydrate nitrate). Radical reactions of nitro compounds are highly dependent upon the atom to which the nitro group is bonded.

Topic hierarchy

[II. Reaction Mechanisms](#)

[III. C-Nitro Carbohydrates](#)

[IV. O-Nitro Carbohydrates](#)

[V. Reactions of Nitro Compounds with Silanes](#)

[VI. Summary](#)

This page titled [14: Nitro Compounds](#) is shared under a [All Rights Reserved \(used with permission\)](#) license and was authored, remixed, and/or curated by [Roger W. Binkley and Edith R. Binkley](#).