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Facile Deprotection of Acetals Using Bismuth Nitrate

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FACILE DEPROTECTION OF ACETALS USING BISMUTH NITRATE

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Protection of aldehydes and ketones as acetals and their subsequent deprotection is an important step in many synthetic schemes. We wish to report that bismuth (III) nitrate pentahydrate is an effective reagent for the deprotection of conjugated acetals. Bismuth compounds are relatively inexpensive and non-toxic, and thus useful in organic synthesis.

