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Title: Insight into the deamination mechanism of 6-cyclopropylamino guanosine analogues for anti-HIV drug design

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Graphical Abstract

Insight into the deamination mechanism of 6-cyclopropylamino guanosine analogues for anti-HIV drug design

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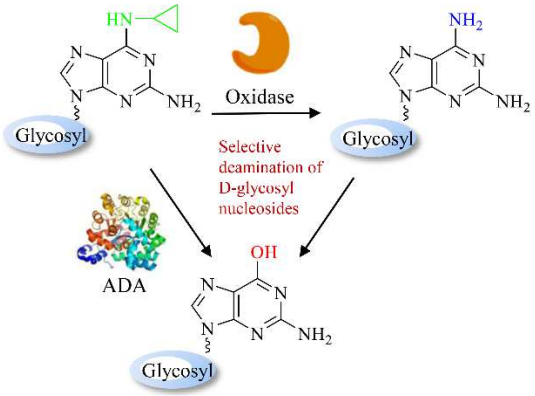

A two-step process involving a 6-amino guanosine intermediate formed by oxidative N-dealkylation was demonstrated in the metabolism of 6-cyclopropylamino guanosine to 6-hydroxy guanosine.