An acyl radical is a radical that has the following general structural formula.

\[ R\text{−}^\ddot{\text{C}}\text{−}^\ddot{\text{O}} \]

\( R = \text{H, alkyl, aryl} \)

eg:

\[ \text{H−}^\ddot{\text{C}}\text{−}^\ddot{\text{O}} \quad \text{CH}_3\text{−}^\ddot{\text{C}}\text{−}^\ddot{\text{O}} \quad r \text{−}^\ddot{\text{C}}\text{−}^\ddot{\text{O}} \]

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