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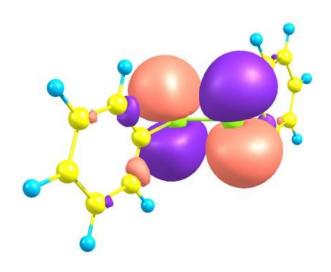
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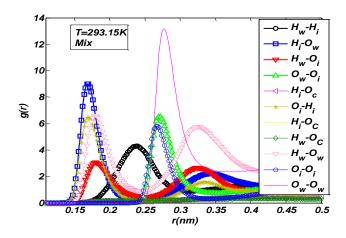


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$$R-N=C=S + M$$

$$CO_{2}R'$$

$$NEt_{3}, CH_{2}Cl_{2}$$

$$r.t., 4 h$$

$$R$$

$$CO_{2}R'$$

$$S$$

$$CO_{2}R'$$

Novel three-component synthesis of functionalized pyrrolidone: study antioxidant and antimicrobial activity

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$$N=C=S + R' N H + CO_2R'' Acetone Reflux N O$$