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Novel regioselective aromatic chlorination via catalytic thiourea activation of *N*-chlorosuccinimide

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Z
Y
+ 5 mol% THIOUREA
$$\frac{1.05\text{-}1.15 \text{ equiv NCS}}{\text{CH}_3\text{CN, room temp}}$$
Z = OCH₃, OH, NHCOCH₃; Y = H
Z = CH₃; Y = 2-CH₃
Z = OH; Y = 3-NHCOCH₃, 2-CH₃, 4-CH₃, 2-CO₂CH₃, 2-Br, 3-CHO

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