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One-pot Preparation of 2,5-Disubstituted and 2,4,5-Trisubstituted Oxazoles from Aromatic Ketones with Molecular Iodine, Oxone, and Trifluoromethanesulfonic Acid in Nitriles

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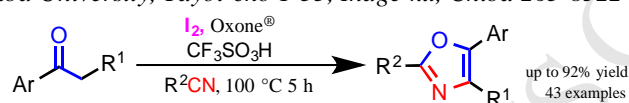
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### One-pot Preparation of 2,5-Disubstituted and 2,4,5-Trisubstituted Oxazoles from Aromatic Ketones with Iodine, Oxone, and Trifluoromethanesulfonic Acid in Nitriles

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Ar = C<sub>6</sub>H<sub>5</sub>, 4-CH<sub>3</sub>C<sub>6</sub>H<sub>4</sub>, 4-FC<sub>6</sub>H<sub>4</sub>, 4-ClC<sub>6</sub>H<sub>4</sub>, 4-BrC<sub>6</sub>H<sub>4</sub>, 4-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, etc.  
 R<sup>1</sup> = H, CH<sub>3</sub>, CH<sub>3</sub>CH<sub>2</sub>, CH<sub>3</sub>(CH<sub>2</sub>)<sub>2</sub>, CH<sub>3</sub>(CH<sub>2</sub>)<sub>5</sub>, CH<sub>3</sub>(CH<sub>2</sub>)<sub>7</sub>, CH<sub>3</sub>(CH<sub>2</sub>)<sub>9</sub>  
 R<sup>2</sup> = CH<sub>3</sub>, CH<sub>3</sub>CH<sub>2</sub>, CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>, (CH<sub>3</sub>)<sub>2</sub>CH, Ph

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