

## **New Protocol for Selective Tertiary C-H Oxidation**

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New methods for mild and selective direct functionalization of C-H bonds have immediate applicability towards late stage modifications of complex molecules. We have recently discovered a novel Fe catalyst capable of hydroxylating unactivated aliphatic 3° C-H bonds with highly predictable selectivity using H<sub>2</sub>O<sub>2</sub> as oxidant. Limitations in product yield appear to be due to competitive catalyst inactivation/death. We have developed a slow addition protocol for catalyst addition that enhances product yields and eliminates the need for starting material recycling.

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