

Download Multi Sulfur And Sulfur And Oxygen Five And Six Membered Heterocycles

Pyridine is a basic heterocyclic organic compound with the chemical formula C_5H_5N . It is structurally related to benzene, with one methine group ($=CH$) replaced by a nitrogen atom. Drawing the short straw: Biomimetic straw-like bundles of Co-doped Fe_2O_3 (SCF), with Co^{2+} incorporated into the lattice of Fe_2O_3 , was fabricated through a cost-effective hydrothermal process and used as the anode material for lithium-ion batteries (LIBs). Fully visible: An air-stable, zero-dimensional (0D) organic-inorganic mixed Bi-Sb halide perovskite $(C_8H_{12}N)_4Bi_{0.57}Sb_{0.43}Br_7 \cdot 2H_2O$, in which individual $[BiBr_6]^{3-}$ and $[SbBr_6]^{3-}$ octahedrons are completely isolated and surrounded by the large organic cation $C_8H_{12}N^+$ is reported. 1,4-Benzoquinones are ubiquitous in nature and can be synthesized by diverse strategies. Recent developments on their synthetic methodologies, cycloaddition reactions, computational chemistry and pulse radiolytic studies are reported in this review. Their chemical and biological significance as well