



Syntheses, Structures and Characterizations of some Manganese(III) Carboxylates in Combination with some Tetradentate N₂O₂ Donor Schiff Bases: A Review

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Accepted on 25th April, 2019

ABSTRACT

Manganese(III) carboxylate complexes with tetradentate N₂O₂ donor Schiff base ligands have been found to exhibit rich structural diversity. The syntheses, characterizations and structural variations of such complexes by simply altering the substituents on the carboxylate ligands and/or backbone of the Schiff bases has been discussed in this short review.

Highlights

- Syntheses of some novel Manganese(III) carboxylate complexes with tetradentate N₂O₂ donor Schiff bases are described.
- Their detailed and systematic characterizations are highlighted.
- Structural variations of such compounds by simply changing the substituents on the carboxylate ligands and/or backbone of the Schiff bases are outlined.

Keywords: Manganese(III) Complex, Carboxylates, Schiff base, Structural diversity.
