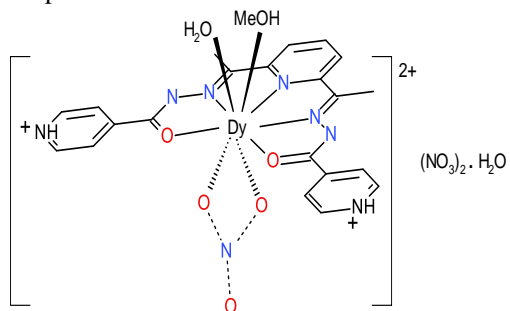


The invention relates to the chemistry of coordination compounds, namely to a dysprosium(III) coordination compound with hydrazone class ligands, which can be used in spintronic devices, quantum computers, for high-density information storage.

The aquamethanolnitrate-*bis*(isonicotinoylhydrazone)-2,6-diacetylpyridinedysprosium(III) monohydrate nitrate compound has the formula:



Both isonicotinoylhydrazone moieties are in the form of a zwitterion. The compound exhibits single molecule magnet properties.

Claims: 2

Fig.: 3