

Publication

Halide Ion Embraces in Tris(2,2'-bipyridine)metal Complexes

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An analysis of the $[M(bpy)_3]^{n+}$ ($bpy = 2,2''$ -bipyridine) complexes with halide counterions in the Cambridge Structural Database reveals a common structural motif in two thirds of the compounds. This interaction involves the formation of 12 short C–H contacts between halide ions lying within sheets of the cations and H-3 and H-3'' of six $[M(bpy)_3]^{n+}$ complex cations. A second motif, also involving 12 short contacts, but with H-6 and H-5, is identified between halide ions lying between sheets of the $[M(bpy)_3]^{n+}$ cations

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