ISSN: 16005368

DOI: 10.1107/S1600536810007373

Document Type: Article Source Type: Journal



View at Publisher

Acta Crystallographica Section E: Structure Reports Online

Volume 66, Issue 4, 2010, Pages m360

{1,1'-[2,2-Dimethylpropane-1,3-diylbis(nitrilomethylidyne)] di-2-naphtholato}nickel(II)

Kargar, H.^a $\stackrel{\triangle}{=}$, Kia, R.^b $\stackrel{\triangle}{=}$ $\stackrel{\square}{=}$, Khan, I.U.^c $\stackrel{\triangle}{=}$ $\stackrel{\square}{=}$, Zare, K.^b $\stackrel{\triangle}{=}$

Abstract

In the title Schiff base complex, $[Ni(C_{27}H_{24}N_{2}O_{2})]$, the Ni^{II} atom shows a slightly distorted square-planar geometry. The dihedral angle between the mean planes of the two aromatic rings is 6.16 (6)°. In the crystal, pairs of inter-molecular weak C - H···O hydrogen bonds link neighboring mol-ecules into a chain along the a axis. The crystal structure is further stabilized by two inter-molecular Π - Π inter-actions with centroid-centroid distances of 3.7252 (13) and 3.8323 (13) Å.

Language of Original Document

English

^a Department of Chemistry, School of Science, Payame Noor University (PNU), Ardakan, Yazd, Iran

^b Department of Chemistry, Science and Research Branch, Islamic Azad University, Tehran, Iran

^c Materials Chemistry Laboratory, Department of Chemistry, GC University, Lahore 54000, Pakistan