

2-Dimensional Cu–(1,4-BDC)–bipy Coordination Polymer
[Cu(BDC)(bipy)](BDCH₂) (BDC = 1,4-benzenedicarboxylate, bipy = 4,4'-bipyridine)

백지영, 한원석, 이순원

성균관대학교 화학과

A two-dimensional coordination polymer with the empirical formula of [Cu(1,4-BDC)(bipy)](1,4-BDCH₂). was hydrothermally prepared from a mixture of Cu(NO₃)₂, 1,4-benzenedicarboxylic acid (BDCH₂), and 4,4-bipyridine (bipy). The product has been characterized by X-ray diffraction, elemental analysis, TGA, IR, and X-ray powder diffraction (XRPD). It crystallized in monoclinic space group *C2/c* with $a = 10.6036(10)$ Å, $b = 11.125(2)$ Å, $c = 19.675(3)$ Å, $Z = 4$, $R = 0.0257$, $wR_2 = 0.0645$.

