



配合物[Cu(CAM)(H₂O)₂]的水热合成与结构表征 Hydrothermal Synthesis and Crystal Structures of Complex [Cu(CAM)(H₂O)₂]

摘要点击: 20 全文下载: 11

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)

中文关键词: 4-羟基吡啶-2, 6-二甲酸; 铜配合物; 晶体结构

英文关键词: 4-hydroxypyridine-2, 6-dicarboxylic acid; copper(II) complex; crystal structure

基金项目:

作者	单位
高洪苓	天津大学化学系, 天津 300072
崔建中	天津大学化学系, 天津 300072

中文摘要:

英文摘要:

A copper(II) complex [Cu(CAM)(H₂O)₂], (CAM=4-hydroxypyridine-2, 6-dicarboxylic acid), has been hydrothermally synthesized and characterized by elemental analysis, IR, and X-ray diffraction single crystal structure analysis. It belongs to triclinic system, with space group *P*1, *a*=0.783 3(3) nm, *b*=0.796 5(3) nm, *c*=0.798 6(3) nm, α =100.340(6)°, β =93.768(6)°, γ =109.348(5)°, *V*=0.458 3(3) nm³, *Z*=2. The copper(II) ion is 5-coordinated and exhibits a distorted square pyramidal coordination environment. The two coordinated aqueous molecules and the oxygen atoms from the ligand generate the intermolecular hydrogen bonds, which result in the 2D supramolecular network. CCDC: 227156.

[关闭](#)

您是第149246位访问者

主办单位: 中国化学会 单位地址: 南京大学化学楼

服务热线: (025)83592307 传真: (025)83592307 邮编: 210093 Email: wjhx@netra.nju.edu.cn

[本系统由北京勤云科技发展有限公司设计](#)