

**A novel nitrogen heterocyclic platform based highly selective and sensitive
fluorescence chemosensor for the detection of Al³⁺ and its application in cell
imaging**

Zengchen Liu, Shujing Li, Genwu Ge, Yanxia Li, Chunxiang Zhao, Hui Zhang,* Zhiguang Yang*

*College of Chemistry and Chemical Engineering; Henan Key Laboratory of Rare Earth
Functional Materials; International Joint Research Laboratory for Biomedical Nanomaterials of
Henan; The Key Laboratory of Rare Earth Functional Materials and Applications, Zhoukou
Normal University, Zhoukou 466001, P.R. China*

*Corresponding author. Tel.: +86 0394 8718252; Fax: +86 0394 8178252.

E-mail address: liuzengchen@zkn.cn

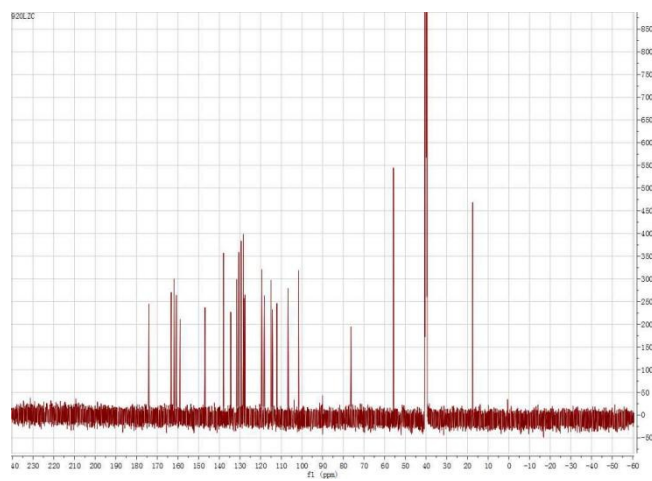
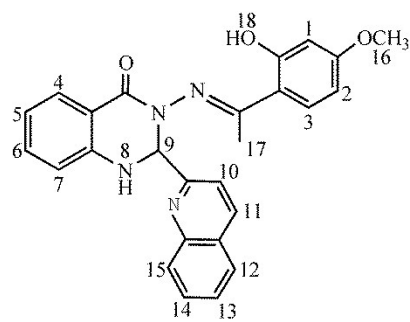


Fig. S1 The ¹³CNMR spectrum of L