



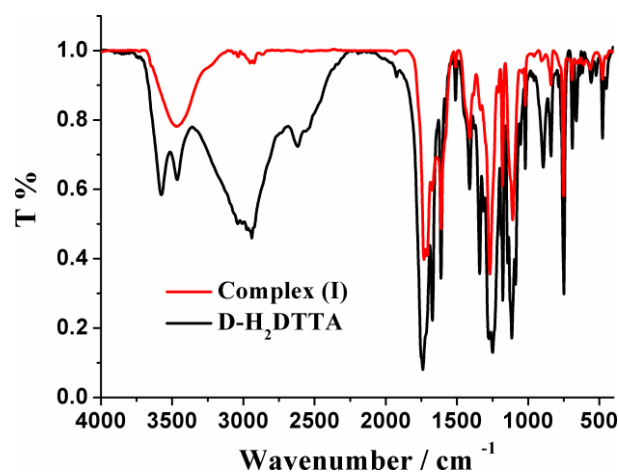
STRUCTURAL  
CHEMISTRY

**Volume 75 (2019)**

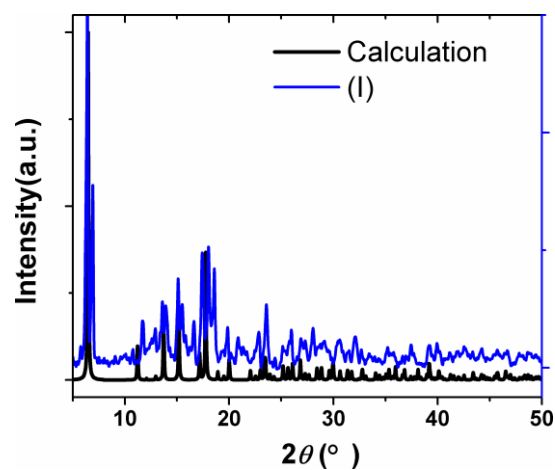
**Supporting information for article:**

**Luminescent and magnetic bifunctional coordination complex  
based on a chiral tartaric acid derivative and europium**

**Mei-rong Han, Shao-dong Li, Ling Ma, Bang Yao, Si-Si Feng and Miao-li  
Zhu**



**Figure S1** IR spectra for D-H<sub>2</sub>DTTA and (I) (KBr, cm<sup>-1</sup>)



**Figure S2** The PXRD patterns of complex (I) (calculation and experiment) at room temperature.

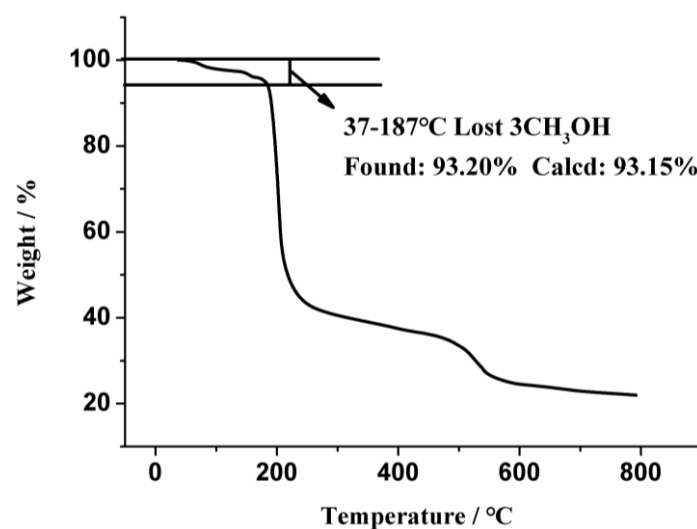


Figure S3 TGA plots of complex (I).

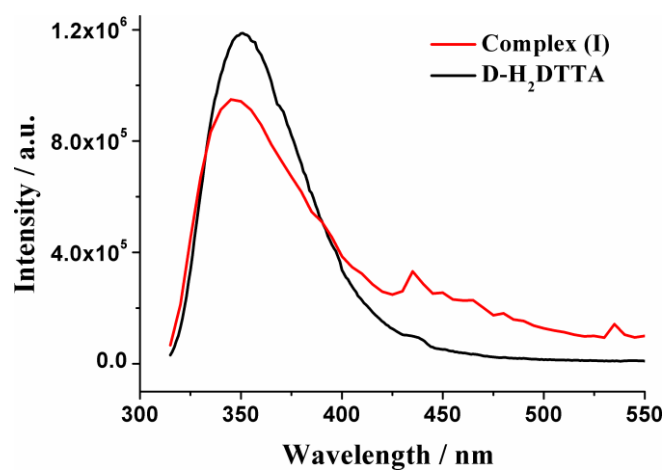


Figure S4 Solid-state emission spectra (330–550 nm) of D-H<sub>2</sub>DTTA and a crystal sample of (I) at 293 K ( $\lambda_{\text{ex}} = 300$  nm).



Figure S5 Digital photograph of complex (I) under irradiation of UV light.