

Synthesis and binding studies of novel di-substituted phenanthroline compounds with genomic promoter and human telomeric DNA G-quadruplexes

Chunying Wei,* Yanbo Wang, Meiyang Zhang

Key Laboratory of Chemical Biology and Molecular Engineering of Ministry of Education, Institute of Molecular Science, Shanxi University, Taiyuan, 030006, China.

Fax: (+) 86-351-7018429; Tel: (+) 86-351-7010699; E-mail: weichuny@sxu.edu.cn

Electronic Supplementary Information (ESI)

Fig.S1 Percent TO displacement from *c-kit2* and *c-myc* G-quadruplexes and ds26 against increasing concentrations of compounds from 0.125 to 27.0 μM in buffer containing 100 mM KCl.

Fig.S2 CD titration spectra of *c-kit2* (A) and *c-myc* (B) G-quadruplexes with the increasing amount of **4b** (arrows: 0-3 mol equiv) in Tris-HCl buffer containing 100 mM KCl at pH 7.4.

Fig.S3 CD titration spectra of *c-kit2* (A) and *c-myc* (B) G-quadruplexes with the increasing amount of **4b** (arrows: 0-3 mol equiv) in Tris-HCl buffer no addition of KCl at pH 7.4.

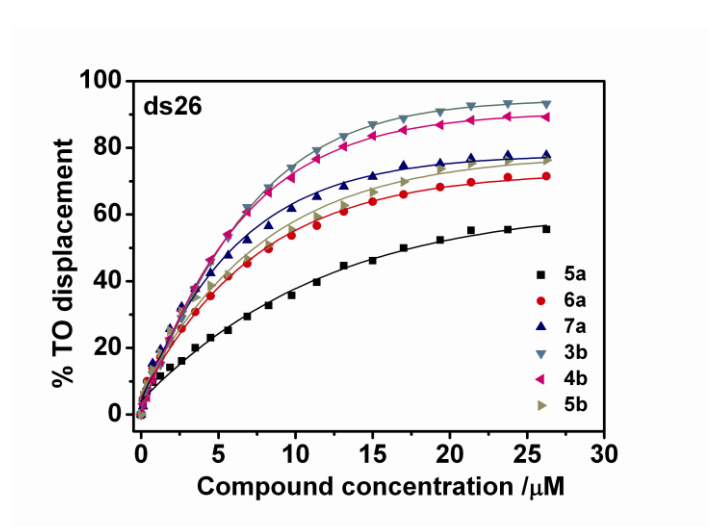
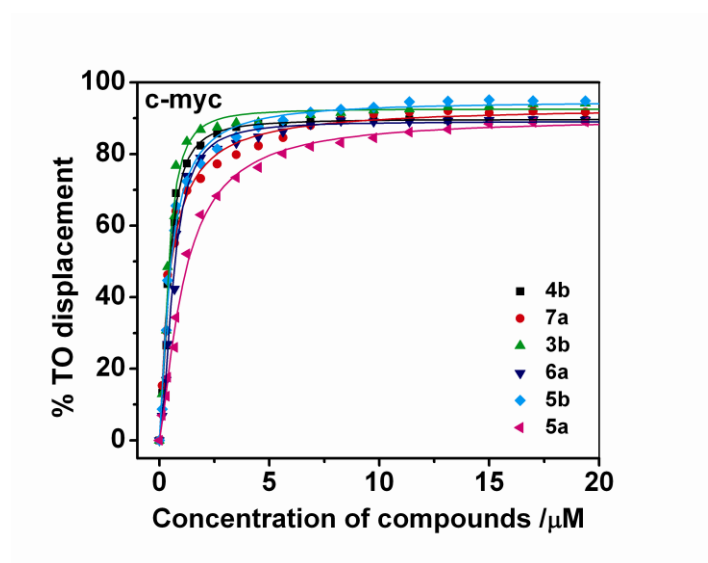
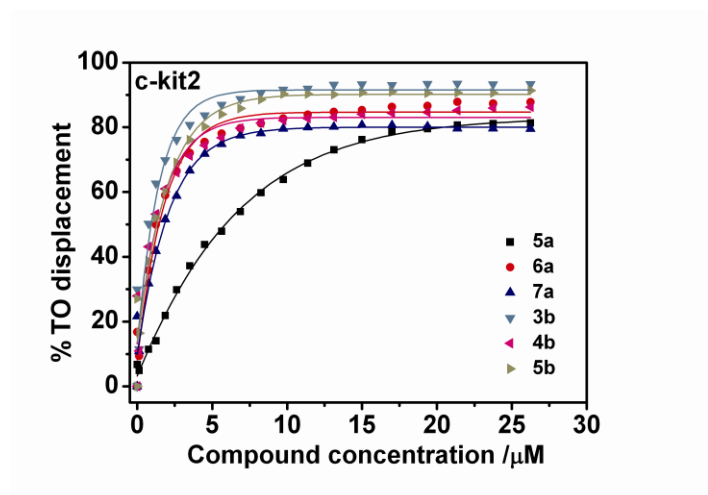


Fig.S1

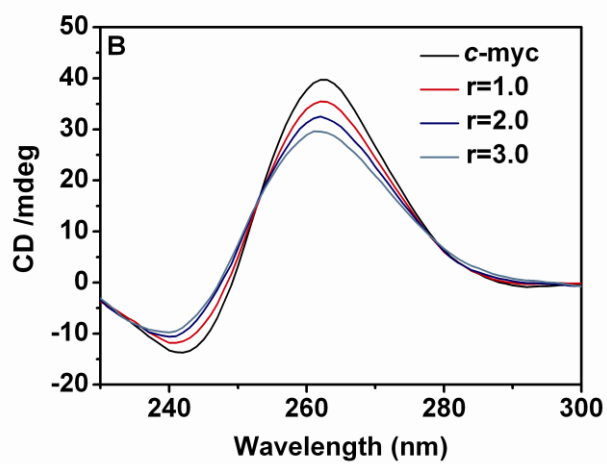
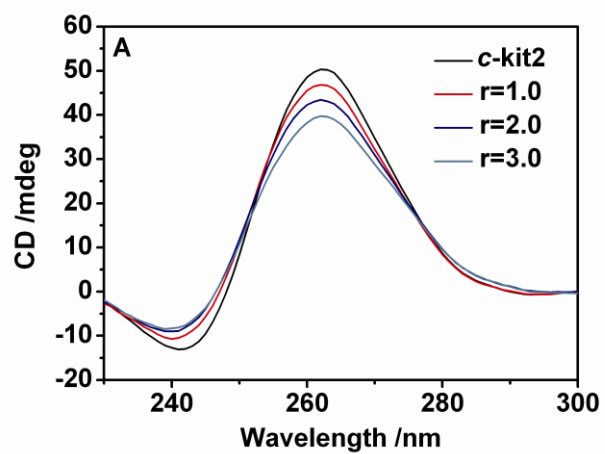


Fig. S2

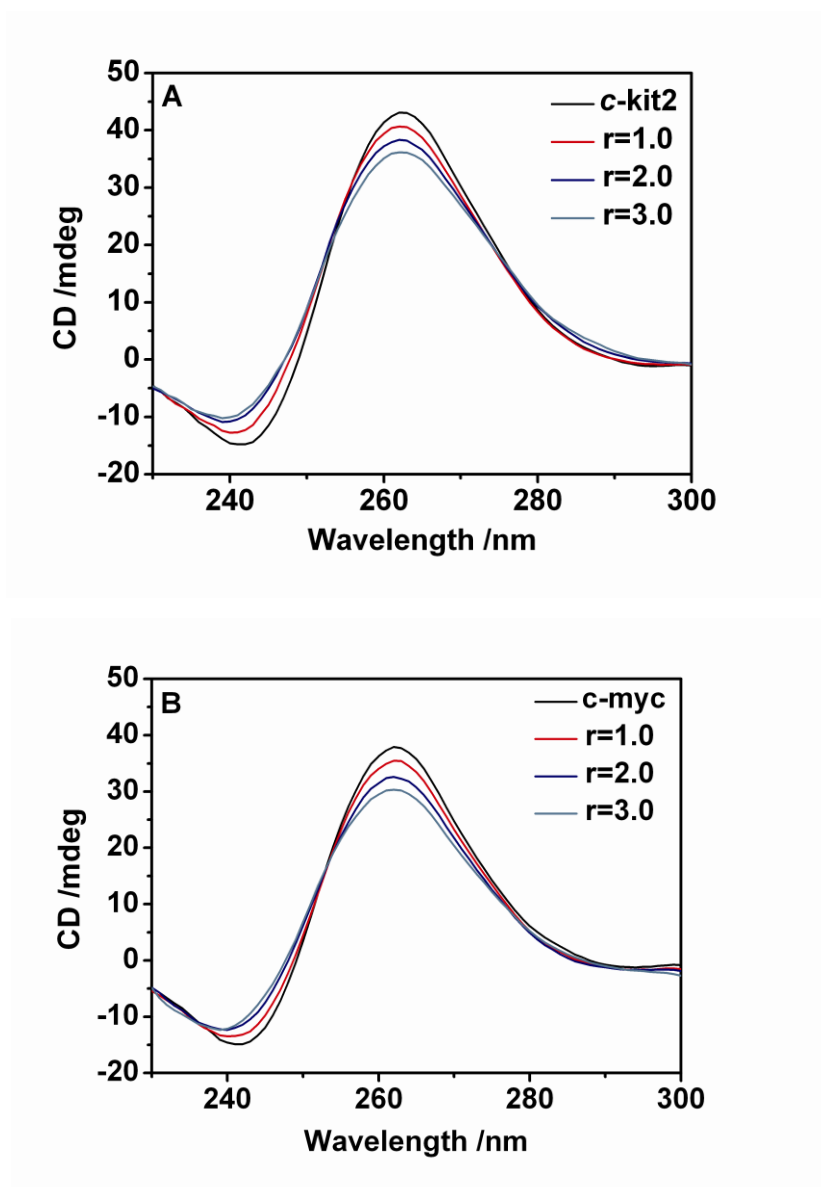


Fig. S3