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Supporting Information

Design, synthesis and biological evaluation of hydrogen sulfide releasing derivatives of 3-n-butylphthalide as potential antiplatelet and antithrombotic agents

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1. HPLC assessment of compound purity

Target compounds **8a-g** and **9a-f** with a purity of > 95% (HPLC analysis) were used for subsequent experiments. We provided the spectra of HPLC assays as below.

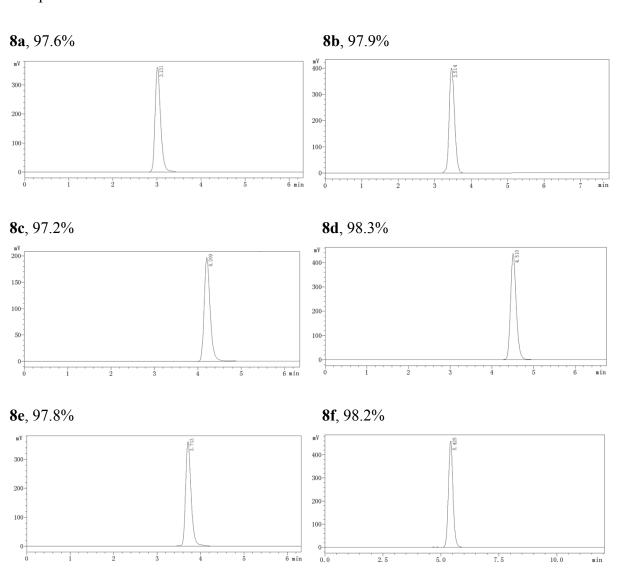
Column: Inertex C₁₈ (150mm×4.6mm×5µm);

Mobile phase: methanol : $H_2O = 90 : 10$;

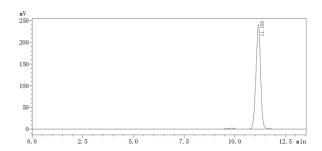
Wavelength: 254 nm;

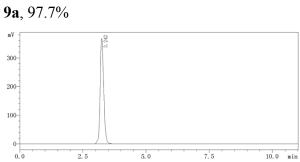
Rate: 1 mL/min;

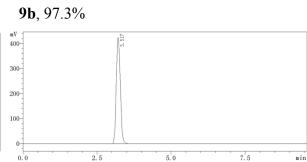
Temperature: 25 °C

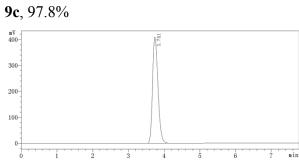


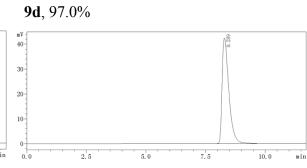
8g, 96.5%

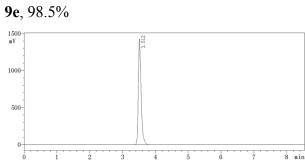


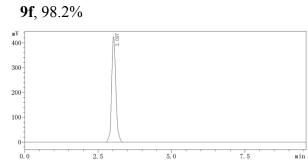






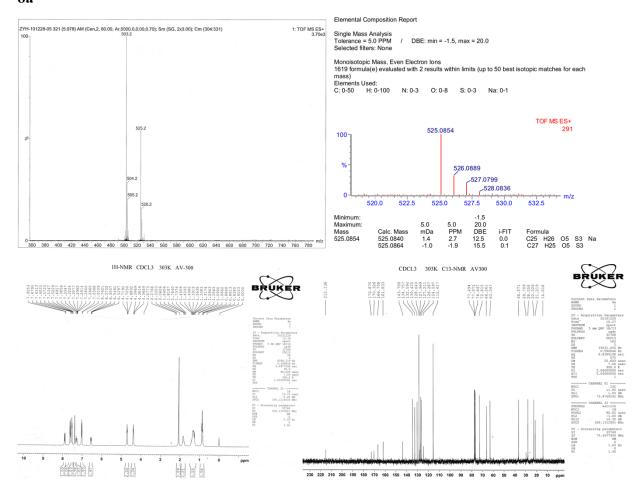




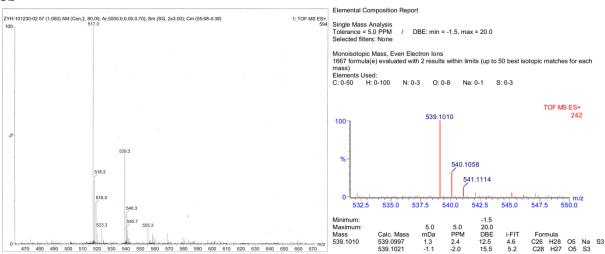


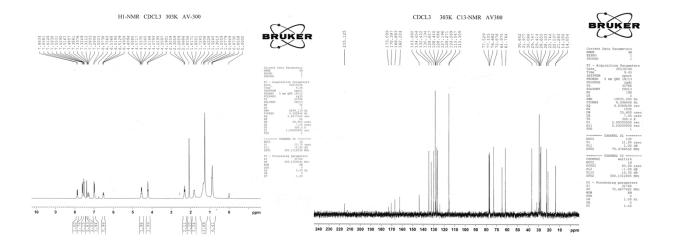
2. The spectral data of new compounds

Ra

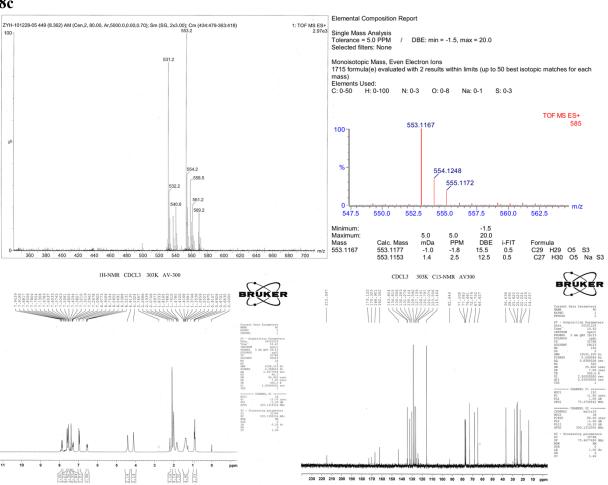


8b

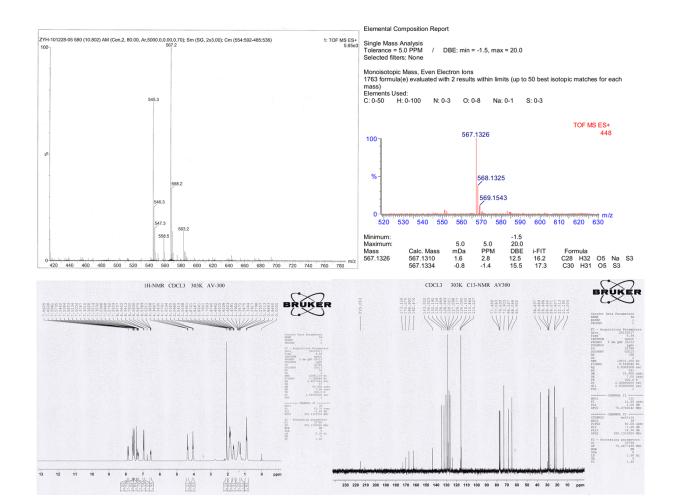




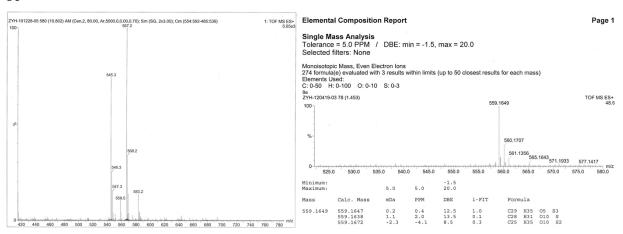


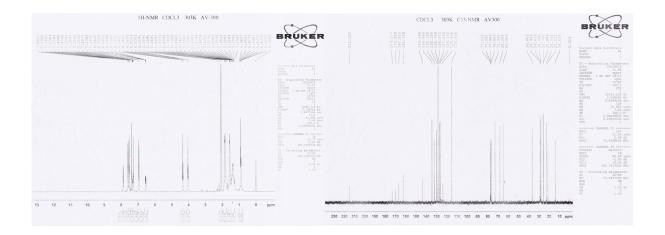


8d

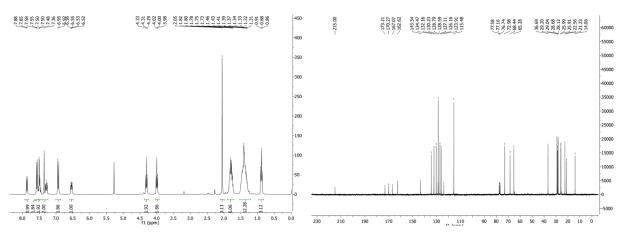


8e

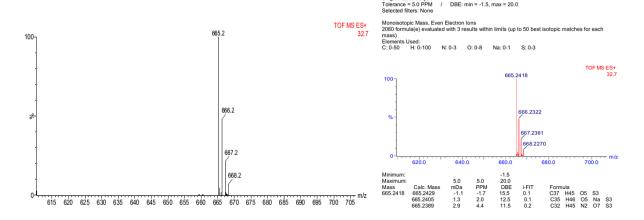


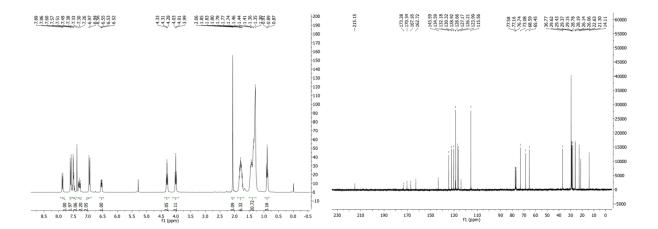


8f

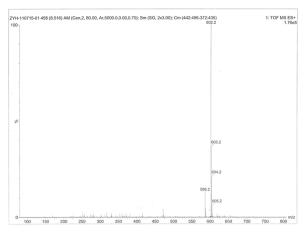


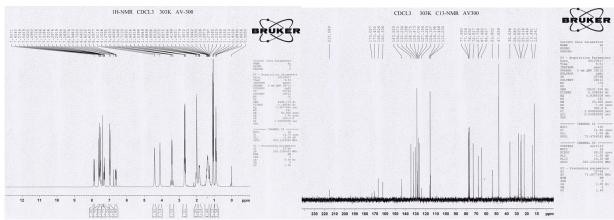
8g



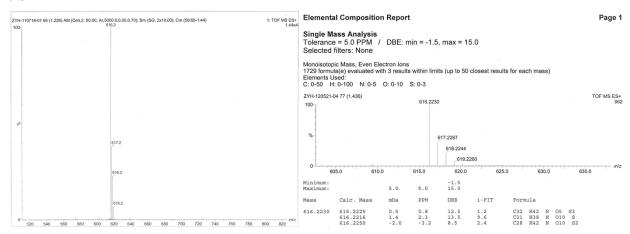


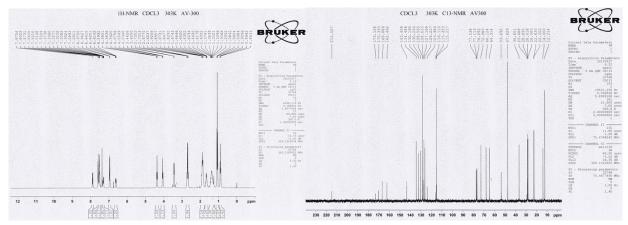
9a



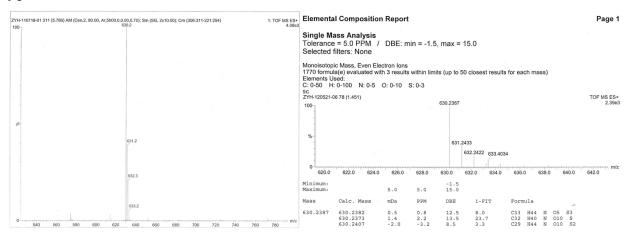


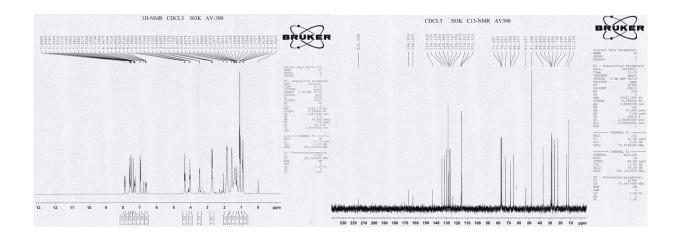
9b



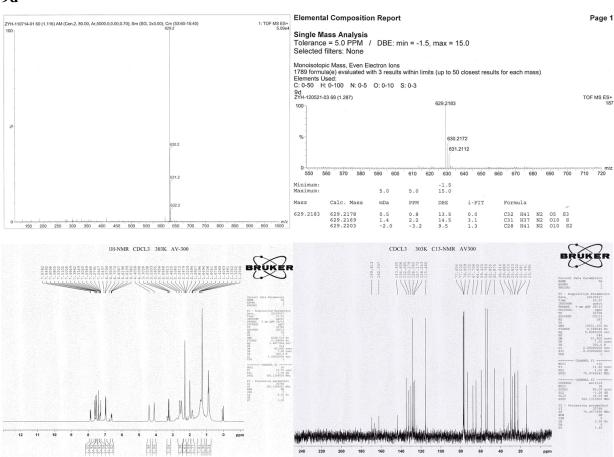


9c

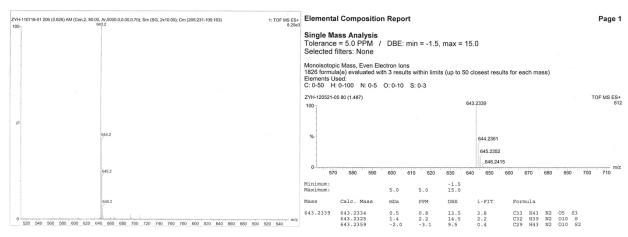


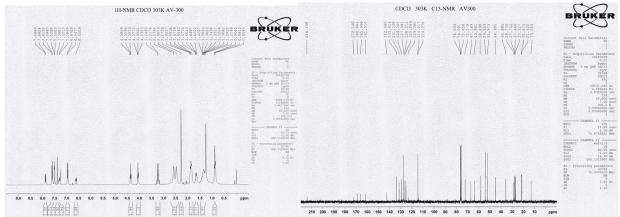


9d



9e





9f

