

Supporting Information

**Synthesis and Evaluation of Anti-hepatocellular Carcinoma Activity of
Novel Nitric Oxide-releasing Derivatives of Farnesylthiosalicylic Acid**

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Table of compound purity by HPLC

S2

HPLC assessment of compound purity.

Target compounds (**8a-p**) 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: ammonium acetate buffer (32 mmol/L, pH 5.0) = 90: 10;

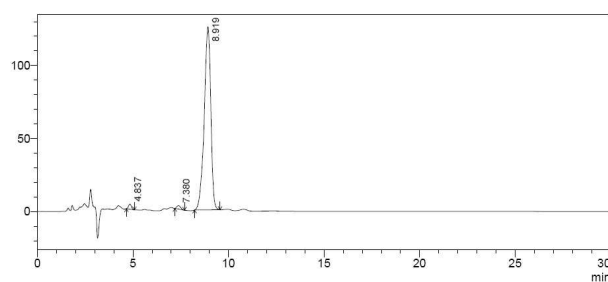
Wavelength: 254 nm;

Rate: 1 mL/min;

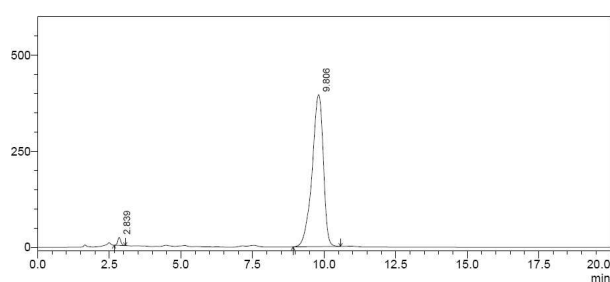
Temperature: 30 °C;

Pressure: 89-122 kgf.

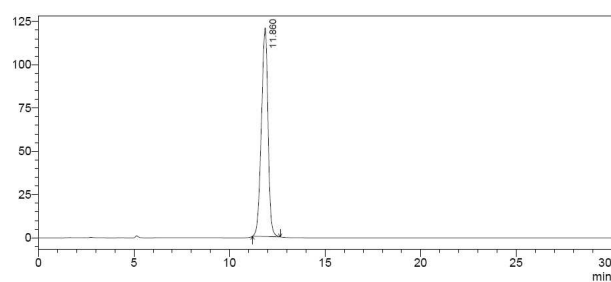
8a, 97.7%



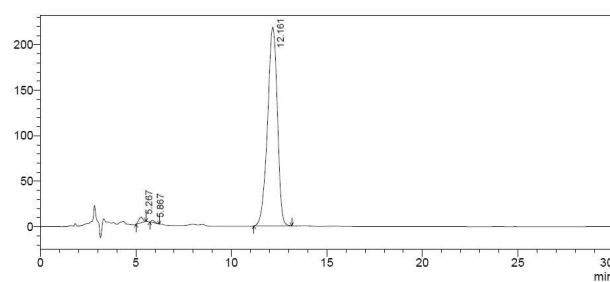
8b, 98.6%



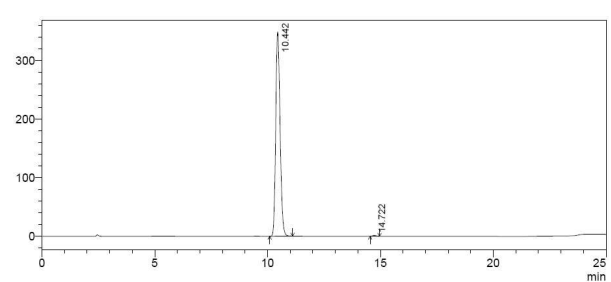
8c, 100%



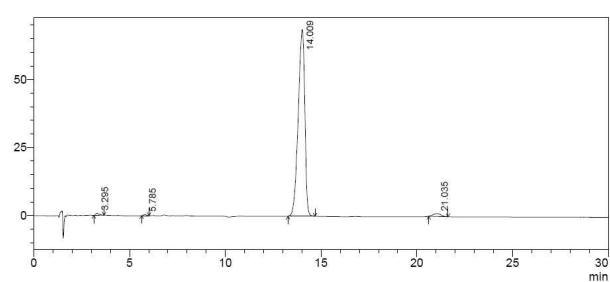
8d, 98.4%



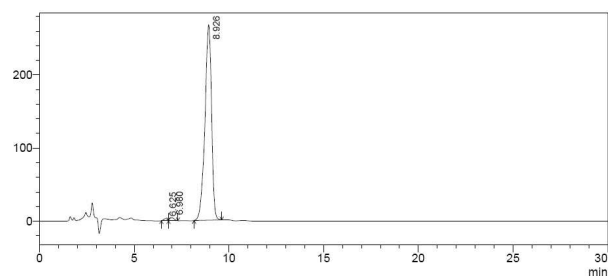
8e, 99.6%



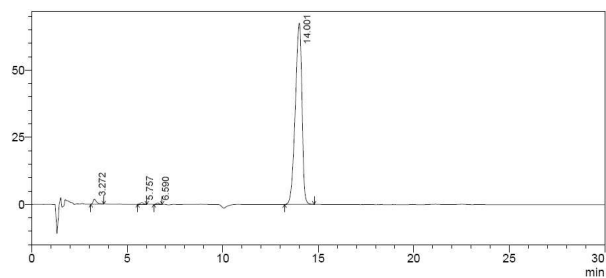
8f, 97.4%



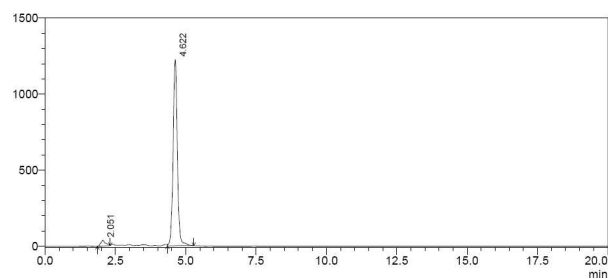
8g, 98.3%



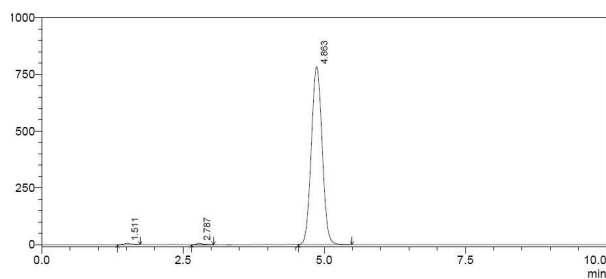
8h, 97.9%



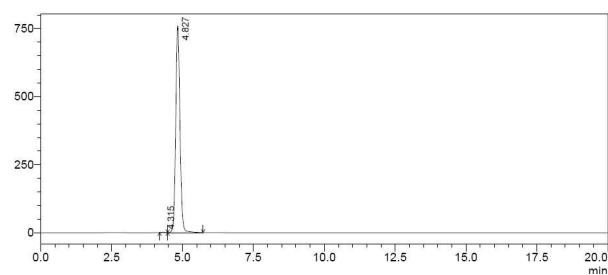
8i, 96.6%



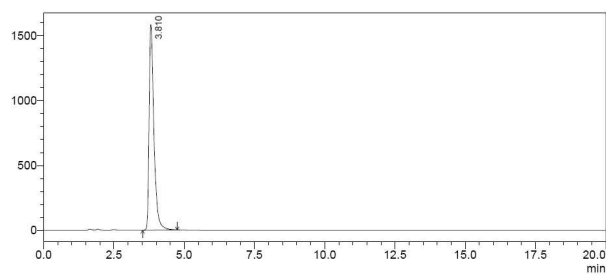
8j, 99.1%



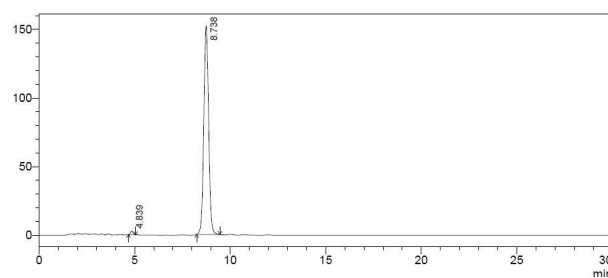
8k, 99.8%



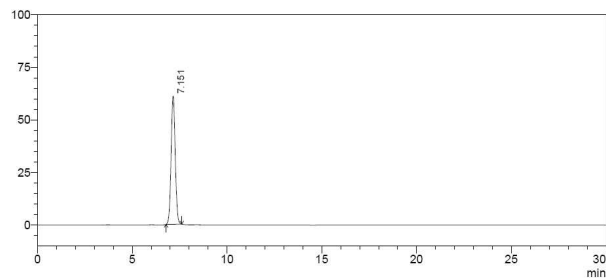
8l, 100%



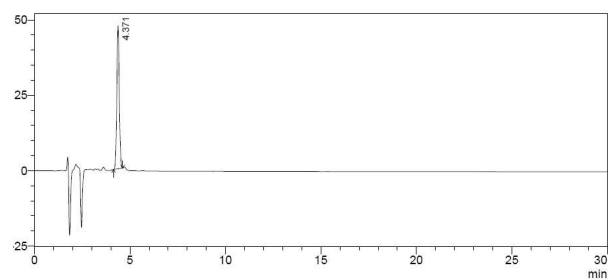
8m, 99.1%



8n, 100%



8o, 100%



8p, 100%

