Supplementary Material

1. Supplementary Figures

# 形状 中度可信度描述已自动生成

**Figure S1.** Effects of DMF on cardiac pathology score in rats. \* p < 0.05, \*\*\* p < 0.001, compared with DOX group. #p< 0.05 compared with DOX+DMF 40mg/kg group.



**Figure S2**. Effects of DMF on cardiac NOQ1 and GCLC mRNA expression. (A) Relative mRNA change in NRCMs. (B) Relative mRNA changes in rats. \*\* p < 0.01, \*\*\* p < 0.001, compared with DOX group. ###p< 0.001compared with DOX+DMSO or DOX+DMF 40mg/kg group.

图表, 条形图

描述已自动生成

**Figure S3.** Effects of Nrf2 silencing on Hmox1, NQO1, GCLC expression. \*\*\* p < 0.001, compared with DOX group, # p < 0.05, ### p < 0.001, compared with DOX+DMF 20μM+siRNA group.

# 图片包含 图示 描述已自动生成

**Figure S4.** Effects of DMF on DOX-induced nephrotoxicity in rats. **(A)** Representative H&E staining of the kidney (White arrows indicate the kidney injury sites, n=6, scale bar = 50μm). **(B)** Changes in serum Cr levels (n=6). \*\*\* p < 0.001, compared with DOX group. ##p< 0.01compared with DOX+DMF 40mg/kg.

图片包含 图示

描述已自动生成 **Figure S5.** Effects of DMF on DOX-induced hepatotoxicity in rats. **(A)** Representative H&E staining of the kidney (White arrows indicate the liver injury sites, n=6, scale bar = 50μm). **(B)** Changes in serum ALT levels (n=6). \*\*\* p < 0.001, compared with DOX group. ##p< 0.01compared with DOX+DMF 40mg/kg.

**Supplementary Table 1.** Table of primers sequences for Real-Time PCR

|  |  |  |
| --- | --- | --- |
| Gene symbol | Forward primer | Reverse primer |
| β-actin | ACCCGCGAGTACAACCTTCT | ATACCCACCATCACACCCTGG |
| Hmox1 | CAGGGAAGGCTTTAAGCTGGT | GTGGGGCATAGACTGGGTTC |
| NQO1 | CTGGCCAATTCAGAGTGGCAT | GAGTGGTGACTCCTCCCAGA |
| GCLC | CCGACCAATGGAGGTACAGT | TGTAAGACGGCATCTCGCTC |