

# **SUPPORTING INFORMATION**

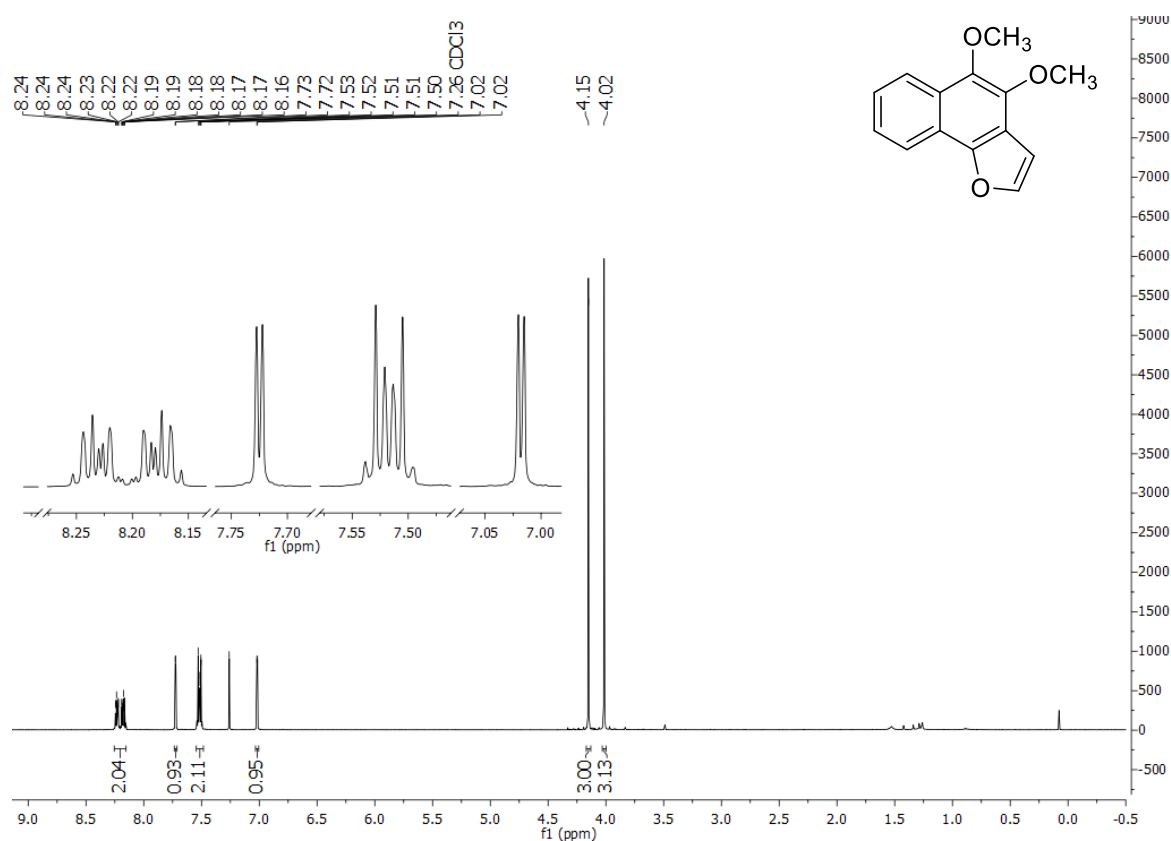
Napabucasin and Related Heterocycle-Fused Naphthoquinones as STAT3 Inhibitors  
with Antiproliferative Activity against Cancer Cells

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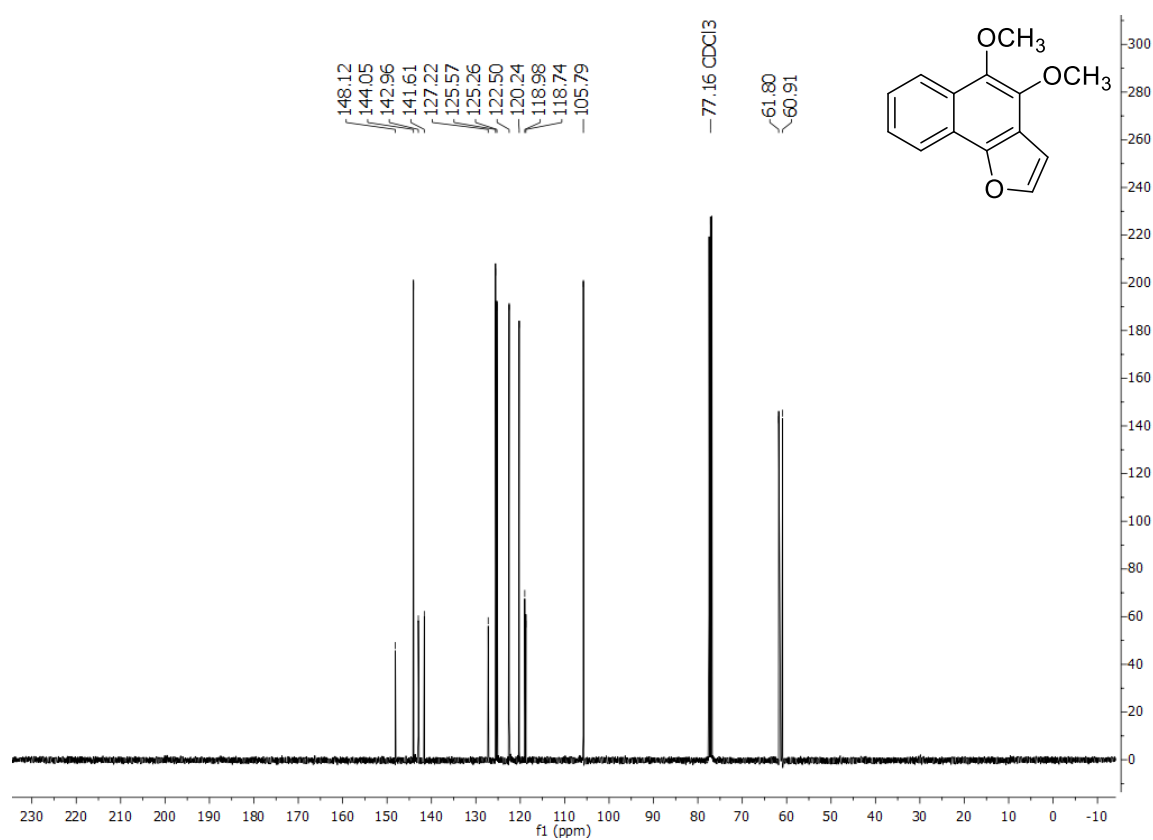
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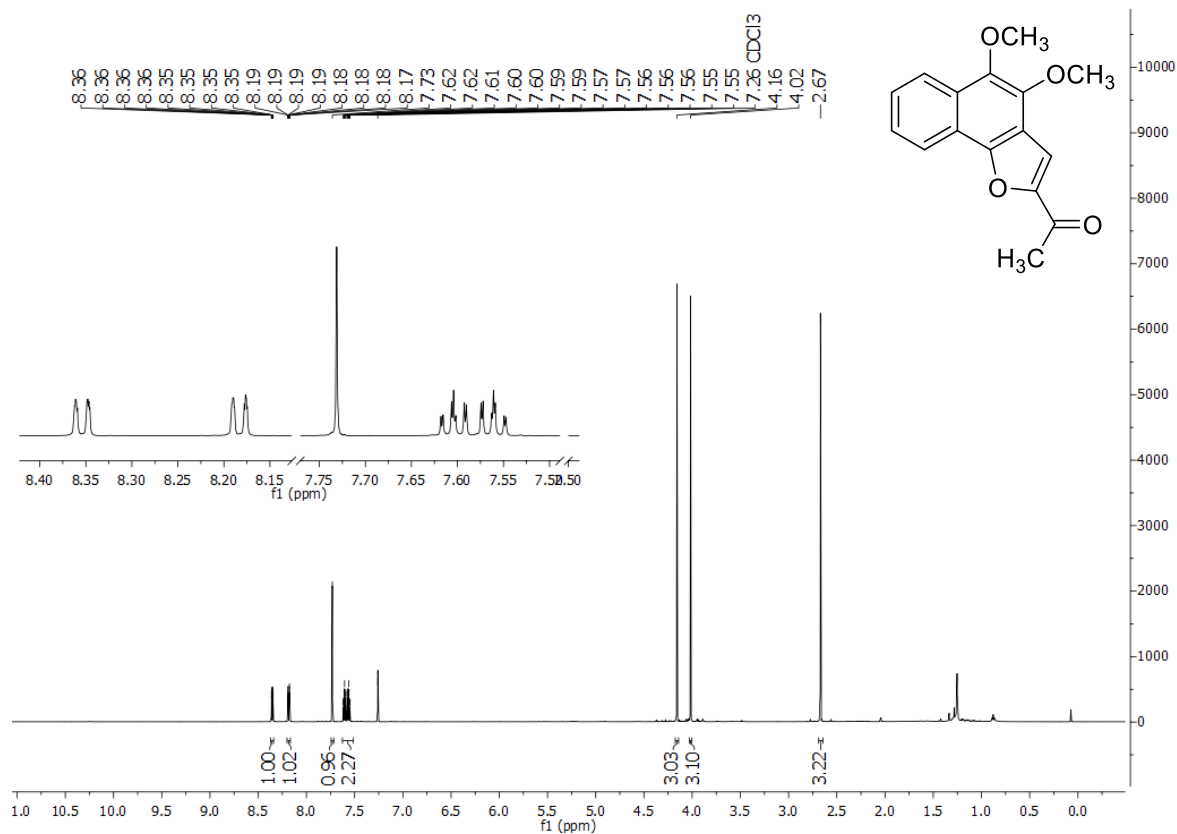
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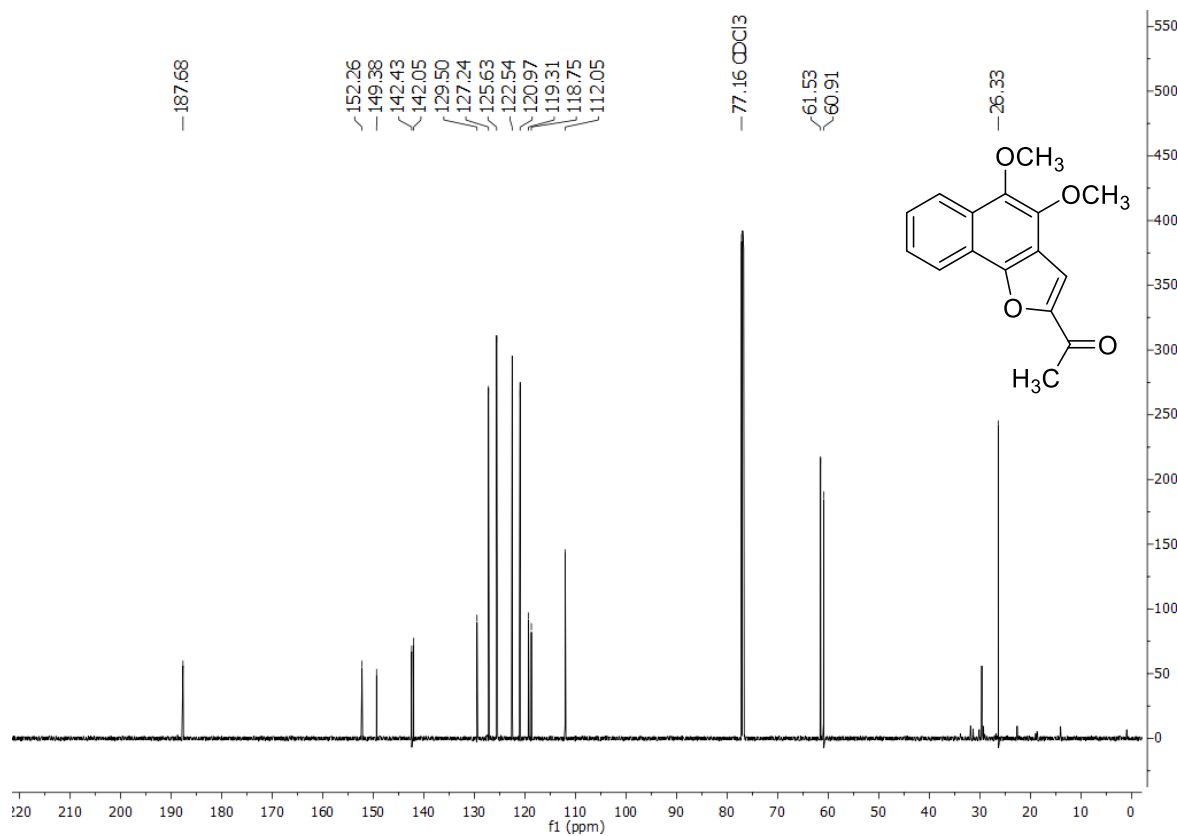
**Figure S1:** <sup>1</sup>H NMR spectrum (400 MHz) of 4,5-Dimethoxynaphtho[1,2-*b*]furan (**5a**) in CDCl<sub>3</sub>.



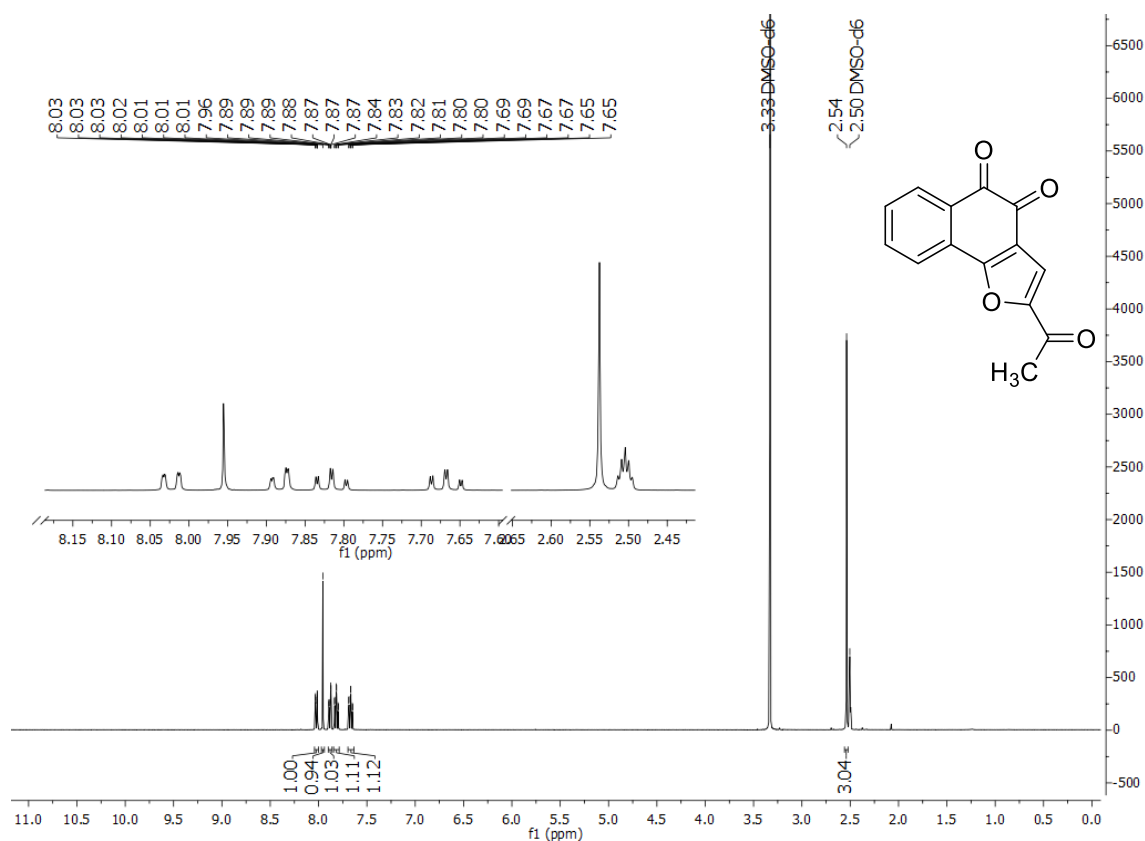
**Figure S2:** <sup>13</sup>C NMR spectrum (101 MHz) of 4,5-Dimethoxynaphtho[1,2-*b*]furan (**5a**) in CDCl<sub>3</sub>.



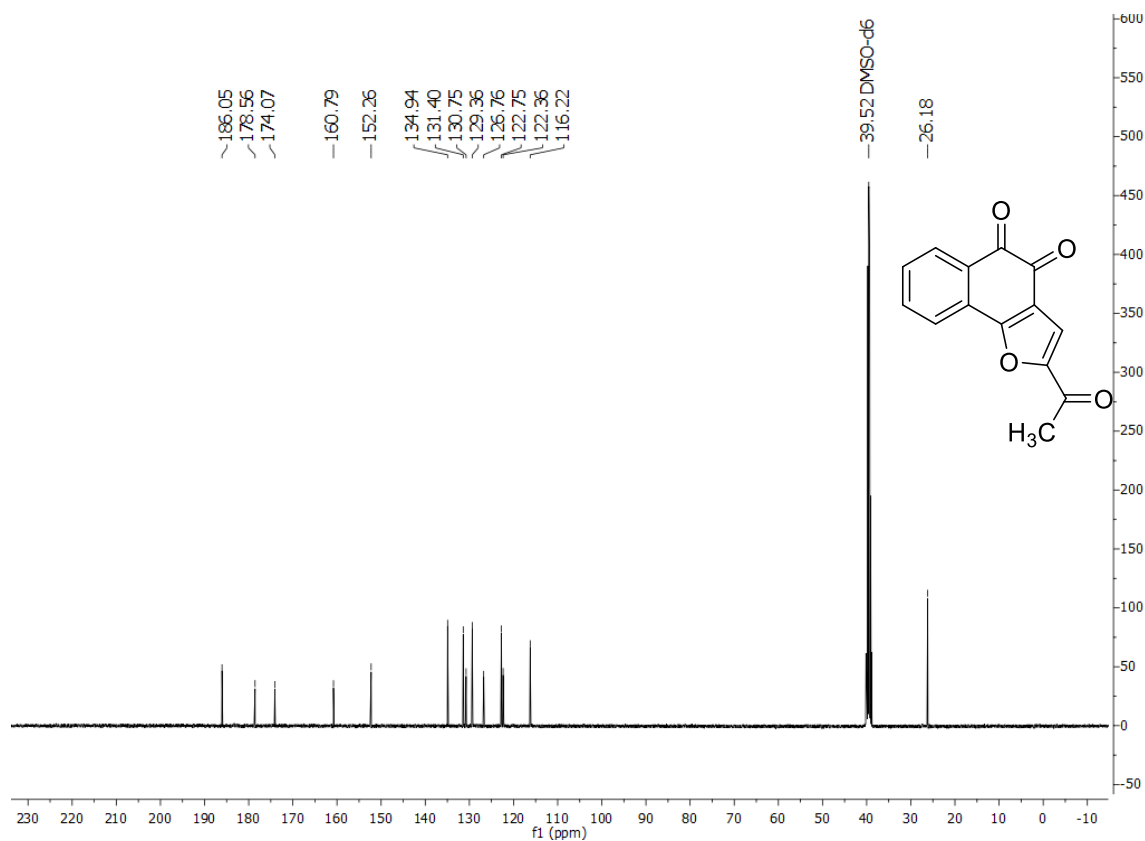
**Figure S3:** <sup>1</sup>H NMR spectrum (600 MHz) of 1-(4,5-Dimethoxynaphtho[1,2-b]furan-2-yl)ethan-1-one (**5b**) in CDCl<sub>3</sub>.



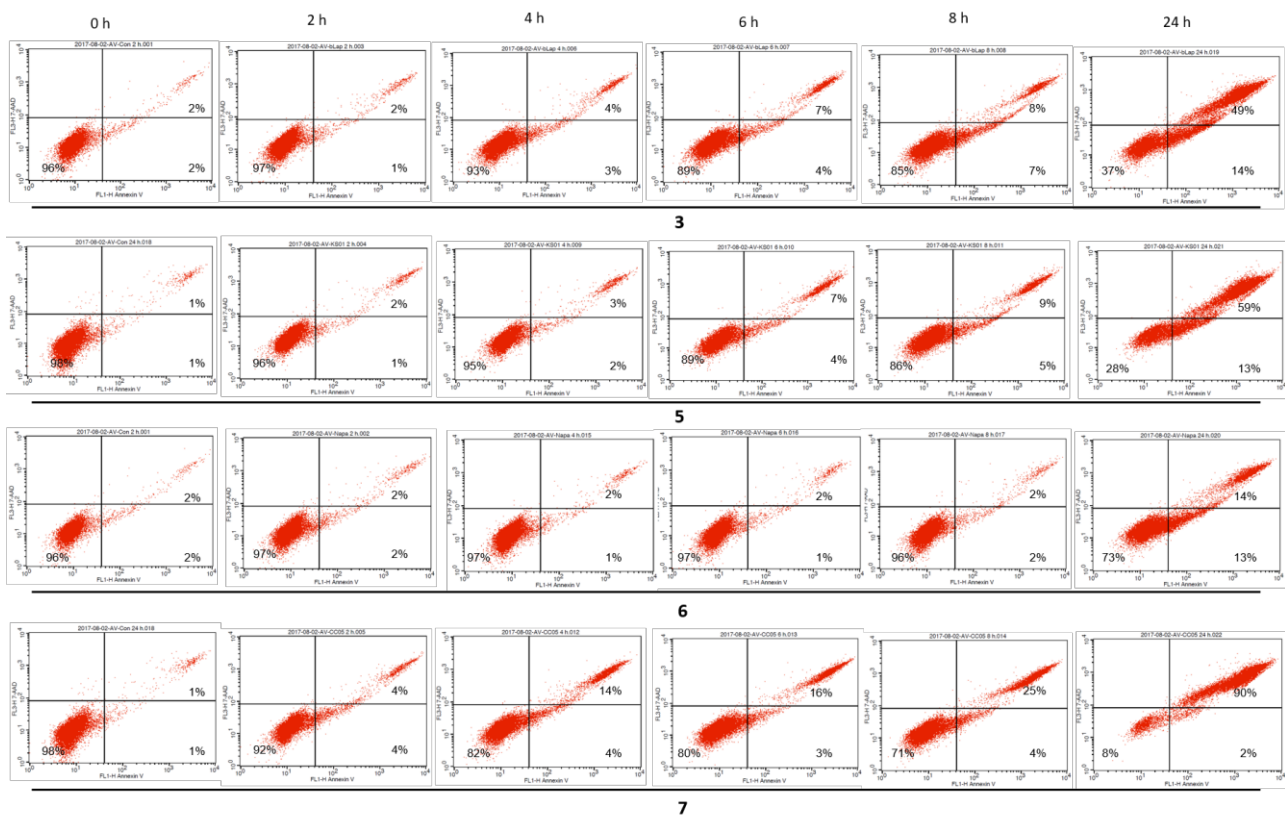
**Figure S4:** <sup>13</sup>C NMR spectrum (151 MHz) of 1-(4,5-Dimethoxynaphtho[1,2-b]furan-2-yl)ethan-1-one (**5b**) in CDCl<sub>3</sub>.



**Figure S5:** <sup>1</sup>H NMR spectrum (400 MHz) of 2-Acetylnaphtho[1,2-*b*]furan-4,5-dione (**7**) in DMSO-*d*<sub>6</sub>.



**Figure S6:** <sup>13</sup>C NMR spectrum (101 MHz) of 2-Acetylnaphtho[1,2-*b*]furan-4,5-dione (**7**) in DMSO-*d*<sub>6</sub>.



**Figure S7:** Representative Dot-Plots of Annexin V/7-AAD co-stained cells treated with compound 3, 5, 6, and 7 (10 µM) over time.