2,3-Disubstituted-1,4-Naphthoquinones Containing an Arylamine with Trifluoromethyl Group: Synthesis, Biological Evaluation, and Computational Study

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MS spectra of the compounds 5a-k and 6 2-13
1H and 13C spectra of the compounds 5a-k and 6 14-25
Purity chromatograms of the compounds 5a-k and 6 26-37

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Figure S1: MS spectrum of compound 5a
Figure S2: MS spectrum of compound 5b
Figure S3: MS spectrum of compound 5c
Figure S4: MS spectrum of compound 5d
**Figure S5:** MS spectrum of compound 5e

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Figure S6: MS spectrum of compound 5f
Figure S7: MS spectrum of compound 5g
Figure S8: MS spectrum of compound 5h
Figure S9: MS spectrum of compound 5i
Figure S10: MS spectrum of compound 5j
Figure S11: MS spectrum of compound 5k
Figure S12: MS spectrum of compound 6
Figure S13: $^1$H and $^{13}$C spectra of compound 5a
Figure S14: $^1$H and $^{13}$C spectra of compound 5b
Figure S15: $^1$H and $^{13}$C spectra of compound 5c
**Figure S16:** $^1$H and $^{13}$C spectra of compound 5d
Figure S17: $^1$H and $^{13}$C spectra of compound 5e
Figure S18: $^1$H and $^{13}$C spectra of compound 5f
Figure S19: $^1$H and $^{13}$C spectra of compound 5g
Figure S20: $^1$H and $^{13}$C spectra of compound 5h
Figure S21: $^1$H and $^{13}$C spectra of compound 5i
Figure S22: $^1$H and $^{13}$C spectra of compound 5j
Figure S23: $^1$H and $^{13}$C spectra of compound 5k
Figure S24: $^1$H and $^{13}$C spectra of compound 6
Figure S25: Purity chromatogram of compound 5a

Column : 25 cm Chiralpac AD-H Chiral
Mobile Phase : Hexane:2-Propanol (85:15)
Wavelength : 254 nm
Flow Rate : 1.0 mL/min
Temperature : 25 °C
Figure S26: Purity chromatogram of compound 5b

Column : 25 cm Chiralpac AD-H Chiral
Mobile Phase : Hexane:2-Propanol (95:5)
Wavelength : 254 nm
Flow Rate : 1.0 mL/min
Temperature : 25 °C
Figure S27: Purity chromatogram of compound 5c

Column : 25 cm Chiralpac AD-H Chiral
Mobile Phase : Hexane:2-Propanol (85:15)
Wavelength : 254 nm
Flow Rate : 1.0 mL/min
Temperature : 25 °C
**Figure S28: Purity chromatogram of compound 5d**

Column : 25 cm Chiralpac AD-H Chiral

Mobile Phase : Hexane:2-Propanol (95:5)

Wavelength : 254 nm

Flow Rate : 1.0 mL/min

Temperature : 25 °C
Figure S29: Purity chromatogram of compound 5e

Column: 25 cm Chiralpak AD-H Chiral
Mobile Phase: Hexane:2-Propanol (85:15)
Wavelength: 254 nm
Flow Rate: 1.0 mL/min
Temperature: 25 ºC
Figure S30: Purity chromatogram of compound 5f

Column : 25 cm Chiralpac AD-H Chiral
Mobile Phase : Hexane:2-Propanol (85:15)
Wavelength : 254 nm
Flow Rate : 1.0 mL/min
Temperature : 25 °C
Figure S31: Purity chromatogram of compound 5g

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Column : 25 cm Chiralpac AD-H Chiral
Mobile Phase : Hexane:2-Propanol (85:15)
Wavelength : 254 nm
Flow Rate : 1.0 mL/min
Temperature : 25 °C
Figure S32: Purity chromatogram of compound 5h

Column : 25 cm Chiralpac AD-H Chiral
Mobile Phase : Hexane:2-Propanol (85:15)
Wavelength : 254 nm
Flow Rate : 1.0 mL/min
Temperature : 25 °C
Figure S33: Purity chromatogram of compound 5i

Column : 25 cm Chiralpac AD-H Chiral
Mobile Phase : Hexane:2-Propanol (85:15)
Wavelength : 254 nm
Flow Rate : 1.0 mL/min
Temperature : 25 °C
**Figure S34:** Purity chromatogram of compound 5j

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Column : 25 cm Chiralpac AD-H Chiral  
Mobile Phase : Hexane:2-Propanol (85:15)  
Wavelength : 254 nm  
Flow Rate : 1.0 mL/min  
Temperature : 25 °C
Figure S35: Purity chromatogram of compound 5k

Column : 25 cm Chiralpac AD-H Chiral
Mobile Phase : Hexane:2-Propanol (85:15)
Wavelength : 254 nm
Flow Rate : 1.0 mL/min
Temperature : 25 °C
Figure S36: Purity chromatogram of compound 6

Column : 25 cm Chiralpac AD-H Chiral
Mobile Phase : Hexane:2-Propanol (95:5)
Wavelength : 254 nm
Flow Rate : 1.0 mL/min
Temperature : 25 ºC