

Supporting Information

MLK1 and MLK3 Subtype Selective Dihydronaphthyl[3,4-a]pyrrolo[3,4-c]carbazole-5-ones: Optimization, MLK1 Crystallography and Oral *In Vivo* Activity in 1-Methyl-4-phenyltetrahydropyridine Models

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Analysis.

8. Anal. calcd. for C₂₃H₁₈N₂O₂ · 0.5 H₂O (C, H, N) calc C 76.01, H, 5.27, N 7.74. Found 75.85, H 5.22, N 8.05.

9 Anal. calcd. for C₂₅H₂₂N₂O₂ · 0.5 H₂O (C, H, N). calc C 76.70, H, 5.92, N 7.19. Found 76.85, H 5.52, N 7.55.

14 Anal. calcd. for C₂₅H₂₂N₂O₃ · H₂O (C, H, N) calc C 72.10, H, 5.81, N 6.73. Found 71.80, H 5.52, N 6.35.

16 Anal. calcd. for C₂₇H₂₆N₂O₃ · H₂O (C, H, N) calc C 72.95, H, 6.35, N 6.30. Found 72.88, H 5.92, N 6.35.