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Development of novel 2,4-bispyridyl thiophene–based compounds as highly potent and Selective Dyrk1A inhibitors. Part I: Benzamide and benzylamide derivatives

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Graphical Abstract

C4

Dyrk1A; |C₅₀ = 300 nM Dyrk1B; |C₅₀ = 300 nM

R₁, R₂, R₃ = alkyl, halogen, methoxy

31b Dyrk1A; IC₅₀ = 14.3 nM Dyrk1B; IC₅₀ = 383 nM

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