Supplementary Material

Synthesis of a Novel Tetracyclic Isoxazole by Intramolecular Nitrile Oxide Cycloaddition

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Figure S1. Spectral data of **5**: 1-(2-propyn-1-yl)-1H-benzimidazole-2-aldoxime S1.1 ¹H-NMR of 1-(2-propyn-1-yl)-1H-benzimidazole-2-aldoxime (DMSO- d_6) (**5**)



S1.2¹³C-NMR of 1-(2-propyn-1-yl)-1*H*-benzimidazole-2-aldoxime (DMSO-*d*₆) (5)



S1.3 HSQC of 1-(2-propyn-1-yl)-1*H*-benzimidazole-2-aldoxime (5)



S1.4 HMBC of 1-(2-propyn-1-yl)-1*H*-benzimidazole-2-aldoxime (5)

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S1.5 FT-IR of 1-(2-propyn-1-yl)-1*H*-benzimidazole-2-aldoxime (5)



S1.6 HRMS of 1-(2-propyn-1-yl)-1H-benzimidazole-2-aldoxime (5)



Figure S2. Spectral data of **6**: isoxazolo-4*H*-[3',4':3,4]pyrrolo[1,2-*a*]benzimidazole S2.1 ¹H-NMR of isoxazolo-4*H*-[3',4':3,4]pyrrolo[1,2-*a*]benzimidazole (CDCl₃) (**6**)



S2.2¹³C-NMR of isoxazolo-4*H*-[3',4':3,4]pyrrolo[1,2-*a*]benzimidazole (CDCl₃) (6)



S2.3 HSQC of isoxazolo-4*H*-[3',4':3,4]pyrrolo[1,2-*a*]benzimidazole (CDCl₃) (6)

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S2.4 HMBC of isoxazolo-4*H*-[3',4':3,4]pyrrolo[1,2-*a*]benzimidazole (CDCl₃) (6)



S2.5 FT-IR of isoxazolo-4H-[3',4':3,4]pyrrolo[1,2-a]benzimidazole (6)



S2.6 HRMS of isoxazolo-4H-[3',4':3,4]pyrrolo[1,2-a]benzimidazole (6)