

Supplementary information

Stereoselective synthesis of Z-acrylonitrile derivatives: Catalytic and acetylcholinesterase inhibition studies

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Table (S1): Selected geometrical parameters (Bond Lengths) (Å) of compound **2b**

O1 N1 1.237(2)	O2 N1 1.220(2)	O3 C10 1.381(2)
O3 C15 1.442(2)	O4 C11 1.364(3)	O4 C16 1.434(3)
N1 C1 1.471(3)	N2 C17 1.147(3)	C1 C6 1.382(3)
C1 C2 1.391(3)	C2 C3 1.382(3)	C3 C4 1.400(3)
C4 C5 1.401(3)	C4 C7 1.485(3)	C5 C6 1.383(3)
C7 C8 1.349(3)	C7 C17 1.449(3)	C8 C9 1.472(3)
C9 C10 1.399(3)	C9 C14 1.400(3)	C10 C11 1.406(3)
C11 C12 1.388(3)	C12 C13 1.394(3)	C12 H12 0.9300
C13 C14 1.373(3)		

Selected Bond Angles (°) of compound **2b**

C10 O3 C15 115.03(15)	C11 O4 C16 116.78(17)	O2 N1 O1 123.97(18)
O2 N1 C1 117.72(17)	O1 N1 C1 118.30(17)	C6 C1 C2 122.11(19)
C6 C1 N1 119.20(18)	C2 C1 N1 118.69(18)	C3 C2 C1 118.69(19)
C2 C3 C4 120.67(19)	C3 C4 C5 119.00(19)	C3 C4 C7 120.81(18)
C5 C4 C7 120.17(18)	C6 C5 C4 120.90(19)	C1 C6 C5 118.62(19)
C8 C7 C17 120.15(19)	C8 C7 C4 123.75(19)	C17 C7 C4 115.80(17)
C7 C8 C9 127.39(19)	C10 C9 C14 118.71(19)	C10 C9 C8 118.62(18)
C14 C9 C8 122.62(19)	O3 C10 C9 118.88(17)	O3 C10 C11 120.13(18)
C9 C10 C11 120.79(19)	O4 C11 C12 124.90(19)	O4 C11 C10 115.77(18)
C12 C11 C10 119.31(19)	C11 C12 C13 119.65(19)	

Fig. (S1): Experimentally obtained IR spectrum of compound **2b**

