Synthesis and biological evaluation of 3-(4-aminophenyl)-coumarin derivatives as potential anti-Alzheimer's disease agents

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$^1$H NMR (600 MHz, DMSO-$d_6$) and $^{13}$C NMR (151 MHz, DMSO-$d_6$) of compounds 4a-4s, 5a-5b, 6a-6b, 7a-7d.

compound 4a $^1$HNMR

![NMR spectrum](image1)

compound 4a $^{13}$CNMR

![NMR spectrum](image2)
compound 4b $^1$HNMR

compound 4b $^{13}$CNMR
compound 4c $^1$HNMR

compound 4c $^{13}$CNMR
compound 4d $^1$HNMR

compound 4d $^{13}$CNMR
compound 4e $^1$HNMR

compound 4e $^{13}$CNMR
compound 4f $^1$HNMR

compound 4f $^{13}$CNMR
compound 4g $^1$H NMR

compound 4g $^{13}$C NMR
compound 4h $^1$HNMR

compound 4h $^{13}$CNMR
compound 4\textsuperscript{i} \textsuperscript{1}\textsuperscript{H}NMR

compound 4\textsuperscript{i} \textsuperscript{13}\textsuperscript{C}NMR
compound 4j $^1$HNMR

compound 4j $^{13}$CNRM
compound 4k $^1$HNMR

compound 4k $^{13}$CNMR
compound 4l $^1$HNMR

compound 4l $^{13}$CNMR
compound 4m $^1$HNMR

compound 4m $^{13}$CNMR
compound 4n $^1$HNMR

compound 4n $^{13}$CNMR
compound 4o $^1$HNMR

compound 4o $^{13}$CNMR
compound 4p $^1$HNMR

compound 4p $^{13}$CNMR
compound 4q $^1$HNMR

compound 4q $^{13}$CNMR
compound 4r $^1$HNMR

compound 4r $^{13}$CNMR
compound 4s $^1$HNMR

compound 4s $^{13}$CNMR
compound $5a$ $^1$HNMR

compound $5a$ $^{13}$CNMR
compound 5b $^1$HNMR

![HNMR spectrum of compound 5b](image)

compound 5b $^{13}$CNMR

![CNMR spectrum of compound 5b](image)
compound 6a $^1$HNMR

compound 6a $^{13}$CNMR
compound 6b $^1$HNMR

compound 6b $^{13}$CNMR
compound 7a $^1$HNMR

compound 7a $^{13}$CNMR
compound 7b $^1$H NMR

compound 7b $^{13}$C NMR
compound 7c $^1$HNMR

compound 7c $^{13}$CNMR
compound 7d $^1$HNMR

compound 7d $^{13}$CNMR