Synthesis, Biological Activity and Multiscale Molecular Modeling Studies for Coumaryl-carboxamid Derivatives as Selective Carbonic Anhydrase IX Inhibitors

SUPPLEMENTARY MATERIALS



S1: ¹ H NMR (CDCl₃) and ¹³C NMR (DMSO-*d*₆) spectra of **c**

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S2: ¹ H NMR (CDCl₃) and ¹³C NMR (DMSO- d_6) spectra of **d**



S3: ¹ H NMR (CDCl₃), ¹³C NMR (DMSO- d_6) and MS spectra of e1





S4: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e2











S6: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e4







S7: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e5

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S8: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e6









S9: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e7



S10: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e8







S11: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e9



S12: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e10









S14: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e12

















S17: 1 H NMR (CDCl₃), 13 C NMR (CDCl₃) and MS spectra of e15



S18: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e16











S20: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of **e18**









S22: ¹ H NMR (CDCl₃), ¹³C NMR (CDCl₃) and MS spectra of e20





