

Supporting Information

New Synthetic Routes to Chain-Extended Selenium, Sulfur, and Nitrogen Analogues of the Naturally-Occurring Glucosidase Inhibitor Salacinol and their Inhibitory Activities Against Recombinant Human Maltase Glucoamylase

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General Experimental: Optical rotations were measured at 23°C. ^1H and ^{13}C NMR spectra were recorded at 500 and 125 MHz respectively. All assignments were confirmed with the aid of two-dimensional ^1H , ^1H (COSYDFTP) or ^1H , ^{13}C (INVBTP) experiments using standard pulse programs. Column chromatography was performed with Silica gel 60 (230-400 mesh). MALDI mass spectra were obtained on samples dispersed in a 2,5-dihydroxybenzoic acid matrix. High resolution mass spectra were obtained by the electrospray ionization (ESI) technique, using a TOF mass spectrometer at 10000 RP.

















































































