

SUPPORTING INFORMATION

3D cell cultures, as a surrogate for animal models, enhance the diagnostic value of preclinical *in vitro* investigations by adding information on the tumour microenvironment: a comparative study of new dual-mode HDAC inhibitors

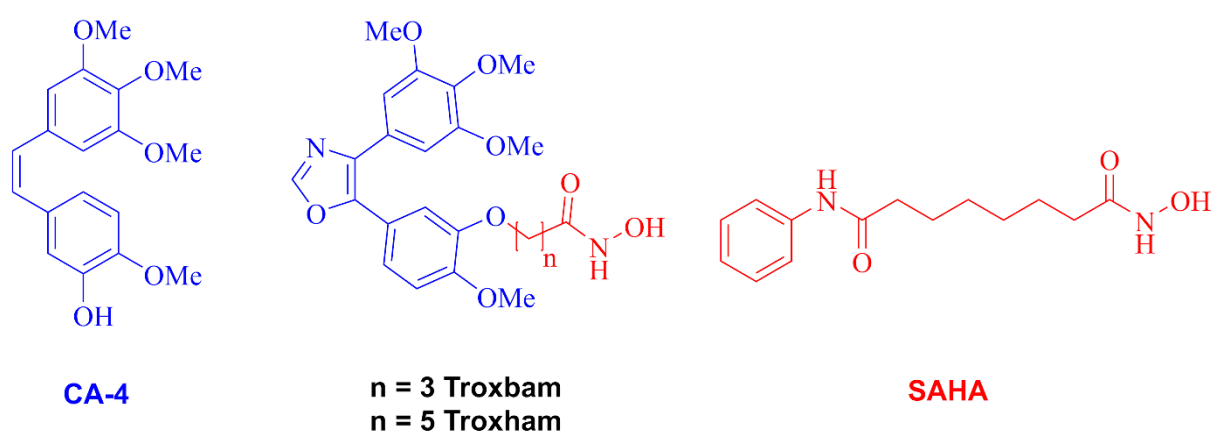
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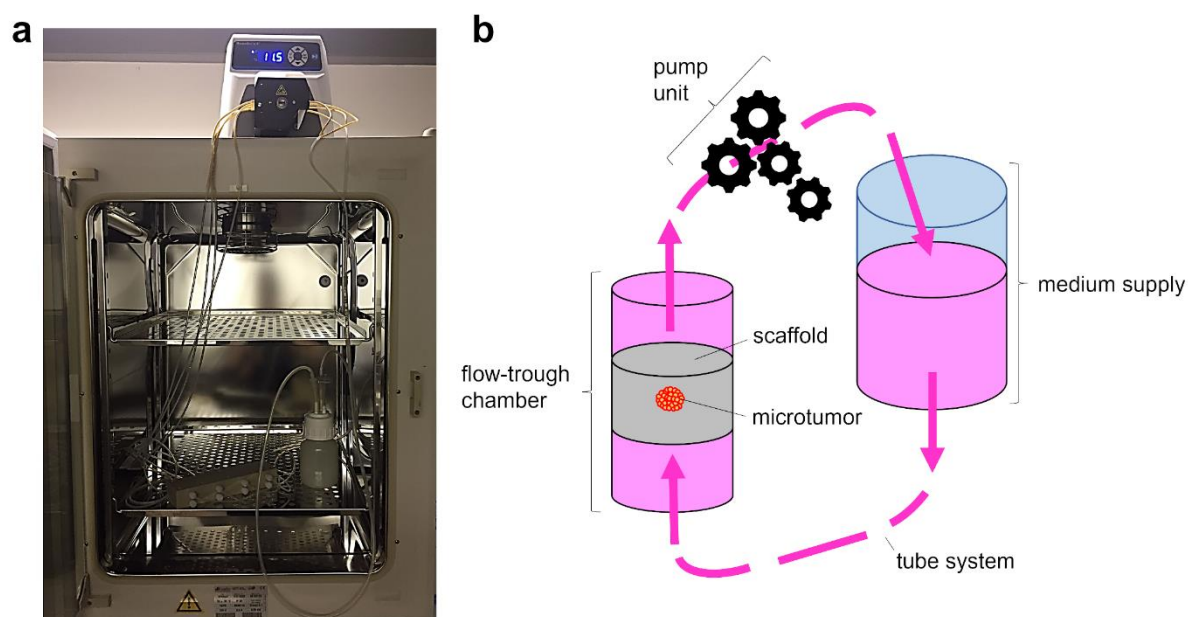
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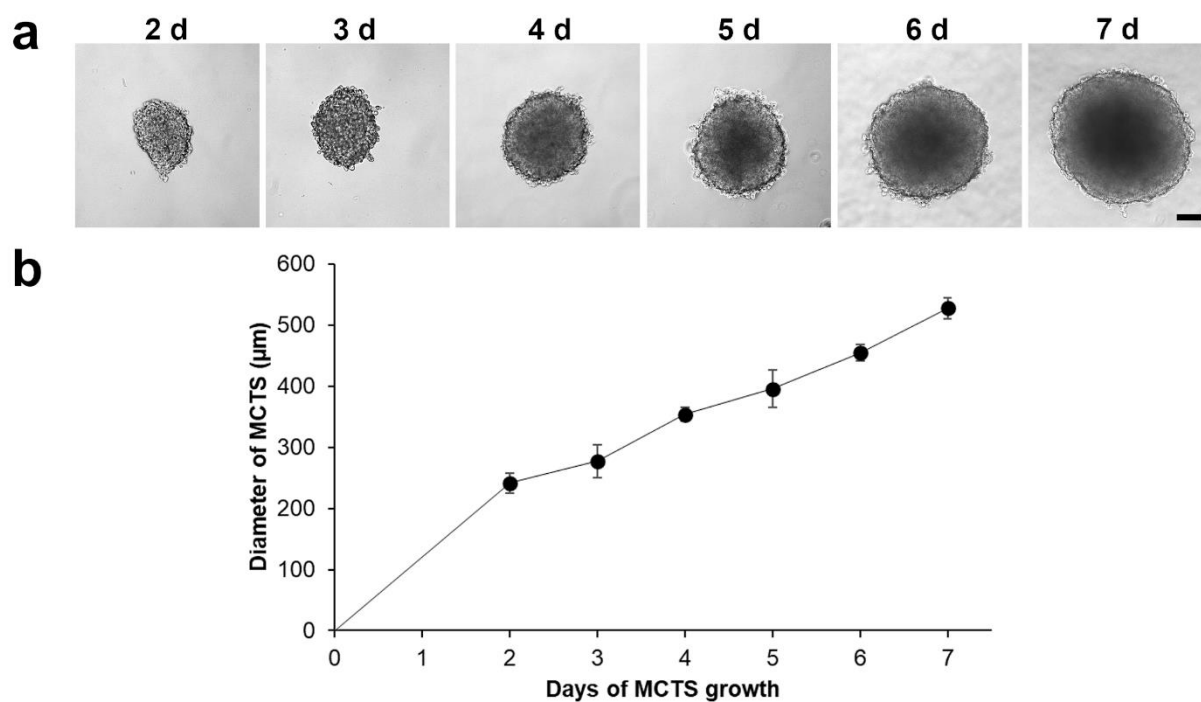
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SI Fig. 1 Structures of the dual-mode HDAC inhibitors Troxbam and Troxham and their known constituent congeners CA-4 and SAHA



SI Fig. 2 Illustration of the bioreactor perfusion system used. a) Image of the bioreactor system, operated in a CO₂ incubator under sterile conditions. b) Schematic illustration of the perfusion bioreactor system



SI Fig. 3 Growth of HCT116 colon carcinoma MCTS over 7 days, measured by means of the spheroid diameter. a) Representative images of MCTS at each point of the measurement. Brightfield images were acquired using inverted microscopy. Scale bar corresponds to 100 µm. b) Graphical summary of the growth process of MCTS over a period of 7 days. Data represents mean $\pm$ SD of $n = 8$.