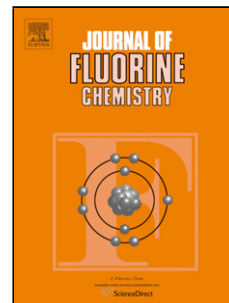


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Computational Design and Synthesis of Novel Fluoro-Analogs of Combretastatins A-4 and A-1

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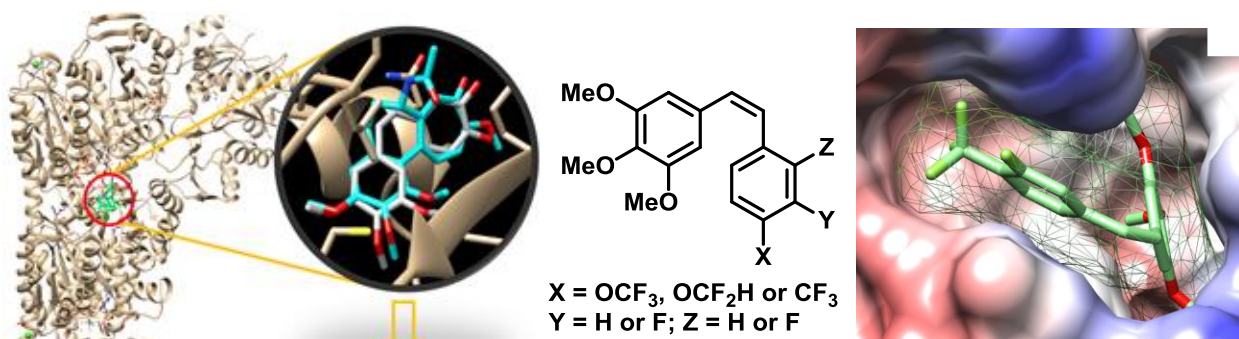
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Graphical abstract:

Novel fluoro-analogs of potent vascular disrupting agents (VDAs), combretastatins A-4 and A-1, were designed, synthesized and preliminary biological activity of select compounds examined. First, a library of novel fluoro-analogs was created by a structure-based drug design based on the co-crystal structure of colchicine-tubulin complex and their docking energy scores were evaluated by AutoDock Vina. Then, select compounds were synthesized for biological evaluations.

Novel fluoro-analogs of combretastatin A-4/A-1 as vascular disrupting anticancer agents



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