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KUTATÁSI TERÜLET BEMUTATÁSA

Our aim is to screen and identify natural and artificially synthesized small molecules that can potentially serve as pharmacons. We established and constantly develop a screening platform that can primarily identify molecules with antineoplastic or antibacterial properties. Using that screening platform, we have identified a set of molecules with submicromolar inhibitory constants that are now under intellectual property protection. Our aim is to continue screening for molecules with similar properties and through that, provide feedback for rational drug design. Furthermore, we want to shed light on the mechanism through which the molecules exert their effects in order to support the subsequent steps in drug development.

ELSAJÁTÍTHATÓ TECHNIKÁK

Alongside the basic cell culture techniques, the attendee can learn basic techniques in studying cell proliferation. Furthermore, important toxicology methods (cell death and mitochondrial assays) and basic biochemical and molecular biology techniques can be acquired. At the level of theory the background of molecules screening and basic preclinical evaluation can be learned.

VÁLOGATOTT KÖZLEMÉNYEK

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