



compounds have progressed to pharmacokinetic profiling. In vitro, results have indicated activity of compounds against primary targets, with sub-nM and single-digit nM IC50s, exceptional selectivity profiles and crystal structure in CK1 confirmed. In cells, efficacy has been demonstrated in stable cell lines and primary cells, and has been shown to have selective toxicity towards tumour cells. In vivo, compounds are orally bioavailable and welltolerated at therapeutic doses.

## Komerční využití

Since the selective inhibitors targeting CK1 kinases are currently NOT available for clinical use our invention has a very attractive potential in treatment of numerous CK1- driven malignancies, ranging from cancer to neurodegenerative diseases or bipolar and sleeping disorders. The novel inhibitors of CK1 kinases have high activity against primary targets and an exceptional selectivity profile in vitro. They are orally bioavailable and well-tolerated at therapeutic doses in mouse model in vivo. Our technology is available for collaboration and/or licensing.