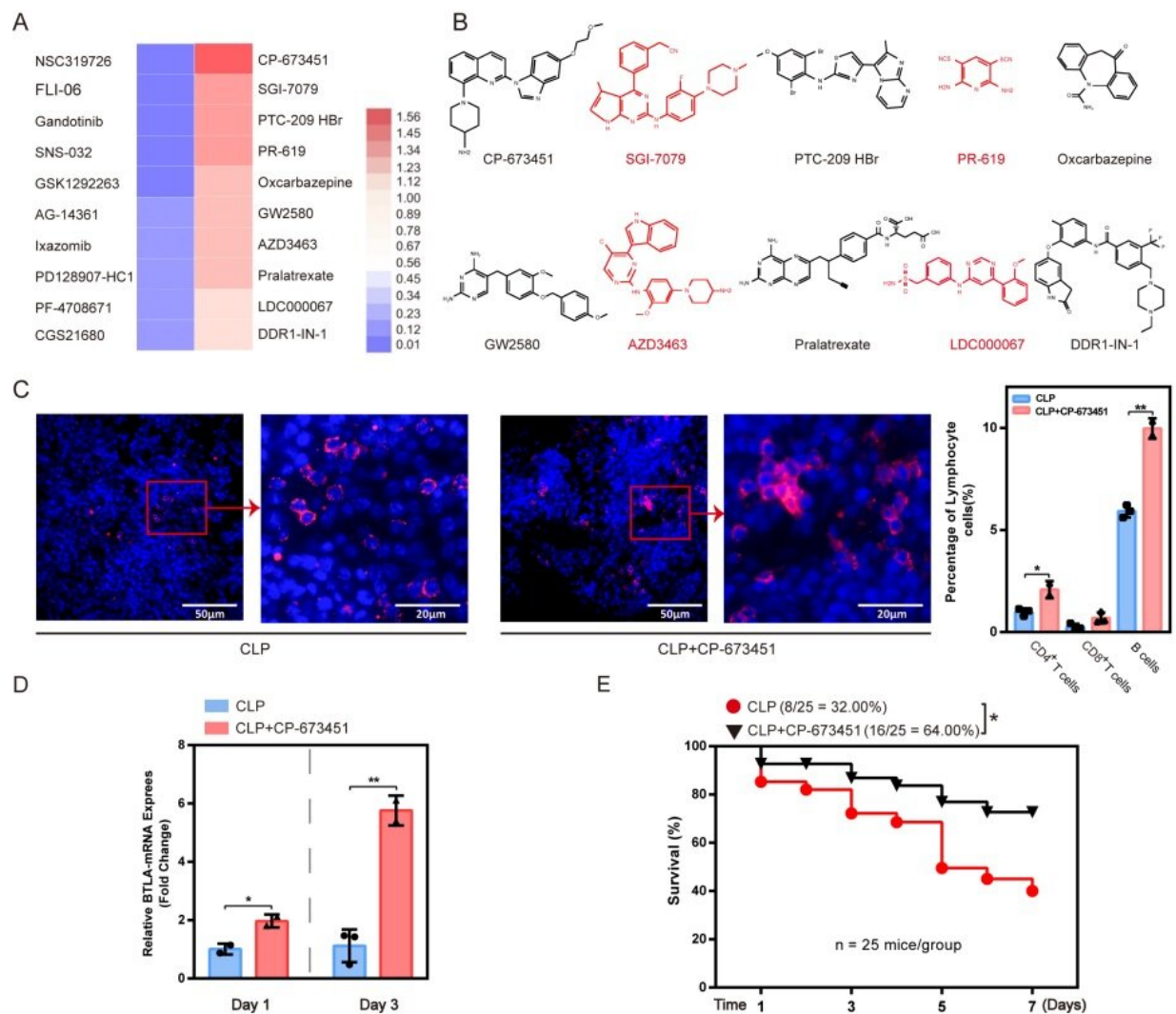


PDGFR kinase inhibitor found to protect against septic death via regulation of BTLA

September 15 2022



A, Heatmap depicting the effect of drug library inhibitors on the expression level of BTLA in RAW264.7 cells by in-cell western blotting. The top 10 drugs that inhibit (left) and enhance (right) BTLA expression are noted. B, Structure of the

compound identified to enhance BTLA activity. C, Immunofluorescence staining of spleen tissues in the CLP and CLP+CP-673451 group mice as assessed with anti-BTLA (red). Nuclei are stained with DAPI (blue). Scale bar, 20 μ m/50 μ m. Flow cytometry was used to detect BTLA expression in CD4⁺ T cells, CD8⁺ T cells and B cells in the spleen one day after sepsis. D, Bar graph comparing measurements of BTLA mRNA in mouse spleen samples of the CLP and CLP+CP-673451 groups on the 1st and 3rd days after sepsis. **, P

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