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(54) Title: TELOMERASE INHIBITOR COMPOUNDS

Dynamic change of bioluminescent signal of Molm 13-Luc2

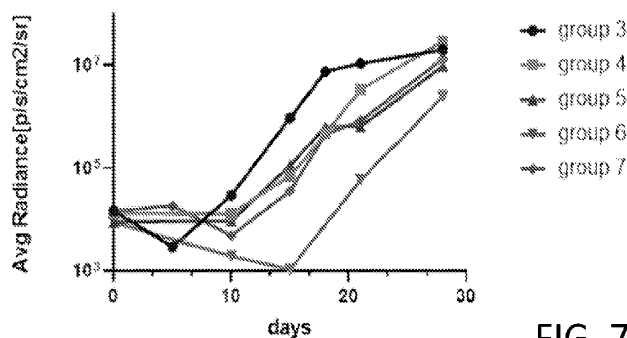


FIG. 7

(57) Abstract: Provided are telomerase inhibitor compounds. Some compounds include a lactone or lactam group that is covalently bonded to a phenyl ring, which is itself bonded to a pyrazole group. In other cases, a sulfonamide-containing moiety is covalently bonded to a phenyl ring, which is itself bonded to a pyrazole group. In some embodiments, the telomerase inhibitor compound has a vinyl sulfonamide group bonded to an amide moiety and an aromatic group. In other cases, the inhibitor compound has an isothiazolidine 1,1-dioxide core that is bonded to a phenyl group. Aspects of the invention also include pharmaceutical compositions comprising the subject telomerase inhibitor compounds, as well as methods of treating telomerase-related diseases or conditions.

[Continued on next page]

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