

Supplementary Material

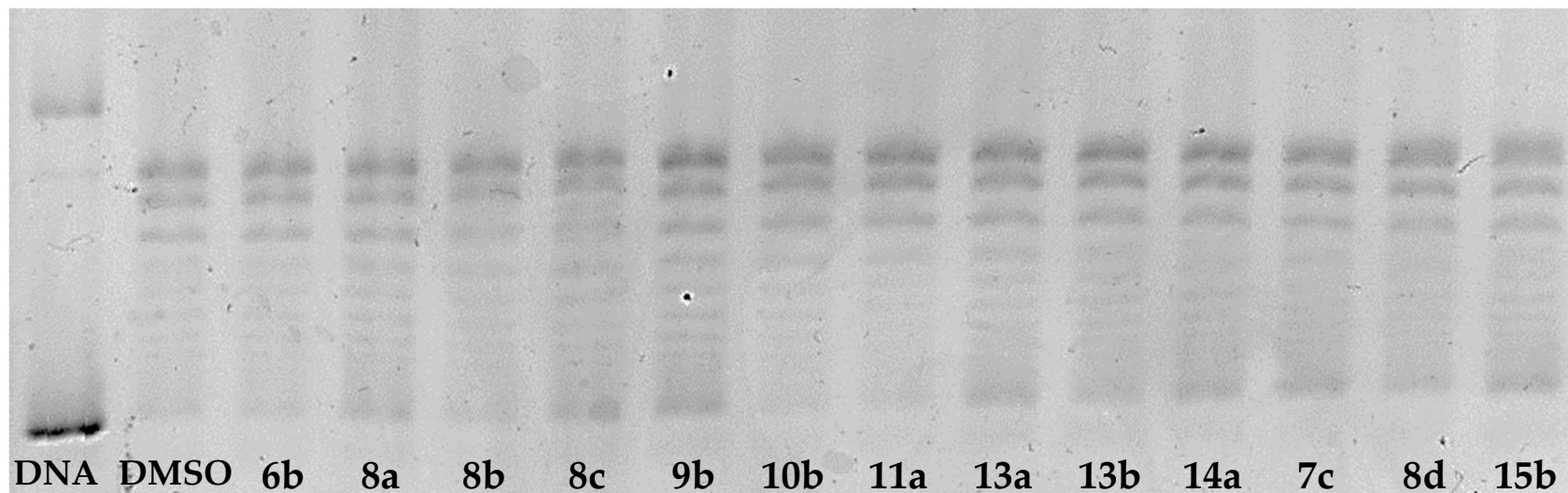
Antileishmanial Effect of 1,5- and 1,8-Substituted Fused Naphthyridines

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Relaxation of supercoiled plasmid DNA assay.

Each reaction contains one unit of purified leishmanial DNA topoisomerase IB enzyme (LdTopIB), 100 μ M of compounds, 0.5 μ g of supercoiled pSK DNA, 10 mM Tris-HCl buffer pH 7.5, 5 mM $MgCl_2$, 0.1 mM EDTA, 15 μ g/mL bovine serum albumin, 150 mM KCl.

Reaction mixtures were incubated 1 min at 37 °C and stopped by the addition of 4 μ L loading buffer (5% sarkosyl, 0.12% bromophenol blue, 25% glycerol).

The topoisomers were resolved in 1% agarose gels by electrophoresis in 0.1 M Tris borate EDTA buffer (pH 8.0) at 2 V/cm for 16 h and visualized with UV illumination after ethidium bromide (0.5 μ g/mL) staining.