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An *in vitro* analysis of the rat C6 glioma cells to elucidate the Linear alkylbenzene Sulfonate induced oxidative stress and consequent G2/M phase cell cycle arrest and cellular apoptosis



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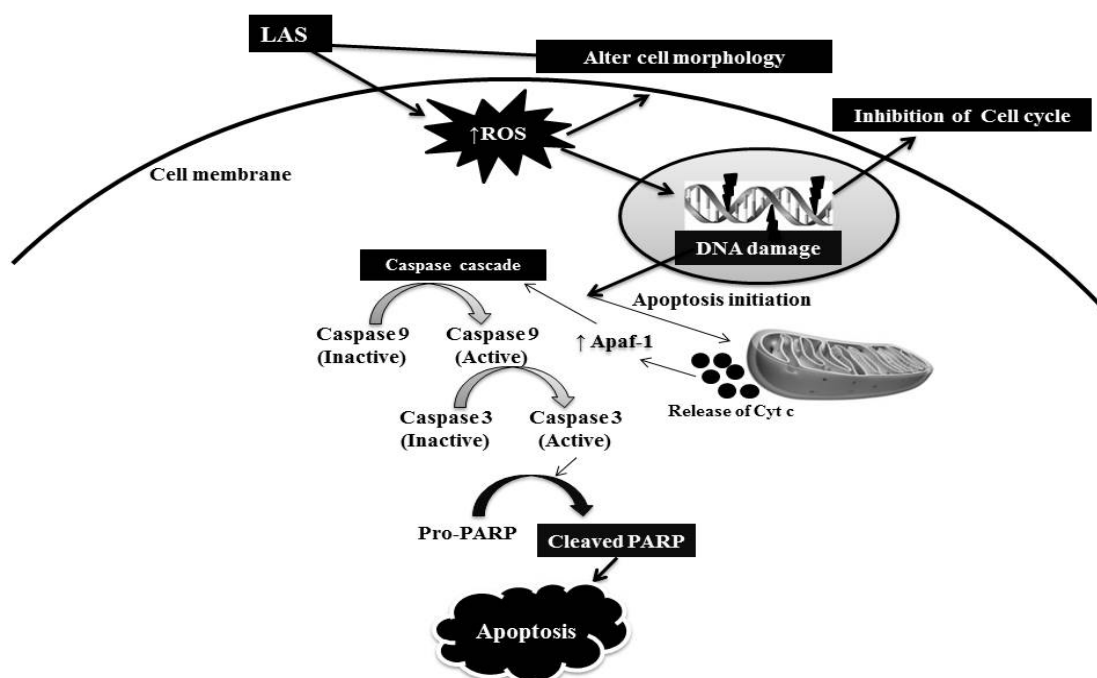
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11 **Abstract**

12 Linear alkylbenzene Sulphonate (LAS) is the anionic surfactant component of globally
 13 consumed detergents. Exposure of sub-inhibitory fractions *viz.*, 1/10th (T1), 1/5th (T2), and
 14 1/2.5th (T3) of IC₅₀ for 48h, of LAS (5μM, 10μM, and 20μM, respectively) to viable C6
 15 glioma cells of rat, besides imparting morphological alterations leads to gross cytotoxicity.

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