

Spin Trapping: An Essential Tool for the Study of Diseases Caused by Oxidative Stress

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Resumen

Electron spin resonance (ESR), called also electron paramagnetic resonance (EPR) together with the spin trapping technique, has allowed us to study and understand how free radicals are involved in various pathologies. In this review, the importance of spin trapping technique in the study of diseases such as cancer, diabetes, hypertension and parasitic diseases is discussed. In addition, advances in the use of this technique as therapeutic agents and other interesting applications as the immuno-spin trapping technique are reviewed.

Palabras clave

Palabras clave de autor: DMPO; EPR; ESR; Human diseases; Immuno-spin trapping; Oxidative stress; PBN; Spin traps

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