Potentiation of glucocorticoid-included lysis in refractory and resistant leukemia cells by inhibitors of ADP-ribosylation

Ebtissam Abdel Ghafar, Smets, LA Metwally, E.A, Knol, E, Martens M.

Professor in Pharmacology.

Abstract

Meta-iodo-benzylguanidine (MIBG; $3 \times 10^{-5}$ M), a novel inhibitor of mono (ADP-ribosylation)- and the general ribosylation inhibitor nicotinamide (NA; 5–20 mM) both stimulated the glucocorticoid-mediated lysis of sensitive L1210 leukemia cells and even induced susceptibility in various human and murine lines refractory or resistant to dexamethasone (DEX). Potentiation and induction of DEX-sensitivity by ADP-ribosylation inhibitors was accompanied by an increase in saturable of 3 H-DEX binding sites and by

Leukemia research - 1988, January