

Plasma concentrations of disulfiram after injection of suspended micropellets into alcoholic subjects

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The disposition of disulfiram after administration in a new formulation was studied in rats and alcoholic patients. The suspension consisted of microcrystals suspended in a mixture of propylene glycol and water and injected subcutaneously into rats and humans; the course of the plasma concentration of diethyldithiocarbamate with time was followed by gas-liquid chromatography. Systemic delivery of disulfiram was observed to occur for a month. The data demonstrate that this form has the properties of a sustained-release formulation when implanted subcutaneously. There was no evidence of local or systemic adverse reactions. Copyright © 1991 John Wiley & Sons, Ltd.