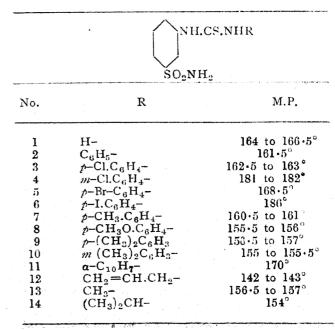
METANILAMIDE SUBSTITUTED THIOUREA DERIVATIVES

SIMPLE as well as substituted thioureas are known to possess chemotherapeutic properties, like anti-bacterial, anti-mycotic, anti-thyroid and anti-tubercular, activities. Considering the anti-malarial, and anti-bacterial properties of metanilamide and its derivatives and bearing in mind the chemotherapeutic properties of thioureas, it was thought worthwhile to

TABLE I



synthesise a series of alkyl and aryl substituted thiocarbamido derivatives in the N³-position of metanilamide (Table I) for studying their chemotherapeutic properties.

Accordingly, the compounds tabulated below have been prepared by reacting a solution of the corresponding isothiocyanate in alcohol with a warm alcoholic solution of metanilamide, keeping the reaction mixture for 12 to 24 hours at laboratory temperature, filtering the solid, washing with cold alcohol and recrystallising the product from alcohol or dilute acetone.

Full details of the methods of preparation and pharmacological data will be published elsewhere.

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