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4-(7-Cyclohepta-1,3,5-triene) aniline and derivatives with antimycobacterial activity

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Abstract

By tropylation of aniline with chloride or perchloride of tropylium we obtained 4-(7-cyclopenta-1,3,5triene)aniline and its derivatives – muriate [4-(7-cyclopenta-1,3,5-triene)aniline]·HCl, n-N-acetylamino-4-(7cyclohepta-1,3,5-triene)aniline and N-(n-dimethylaminophenylmethylene)-4-(7-cyclohepta-1,3,5-triene)aniline. The study of their biological activity has shown that 4-(7-cyclohepta-1,3,5-triene)aniline and its muriate showed antimycobacterial activity against a range of bacteria Staphylococcus aureus (St. aureus), Staphylococcus epidermis (St. epidermis), Staphylococcus saprophyticus (St. saprophyticus), Escherichia coli (E. coli), and yeast-like fungi Candida albicans (Cand. albicans).

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