

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-1,3,5-triene)aniline and its derivatives – muriate [4-(7-cyclopenta-1,3,5-triene)aniline]·HCl, *n*-*N*-acetylamino-4-(7-cyclohepta-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*).