

# ***N,N*-Dichloroaminosulfonic acids as novel topical antimicrobial agents**

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(2-Dichloroamino-2-methyl-propane-1-sulfonic acid) **2**, a stable derivative of endogenous dichlorotaurine **1**, has been identified and is under development as a topical antimicrobial agent. Various analogs of **2** were synthesized as topical antimicrobial agents. *N, N* Dichloramine **2** was modified in order to achieve optimal antimicrobial activity with minimal mammalian toxicity and improved stability. All the analogs synthesized showed antimicrobial activity against *Staphylococcus aureus*, *Escherichia coli* and *Candidaalbicans* in the range of 4-40  $\mu$ M and cytotoxicity against L929 cells in the range 0.3-8 mM.

