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Hydra Amphiphiles: Using Three Heads and One Tail to Influence Aggregate Formation and to Kill Pathogenic Bacteria

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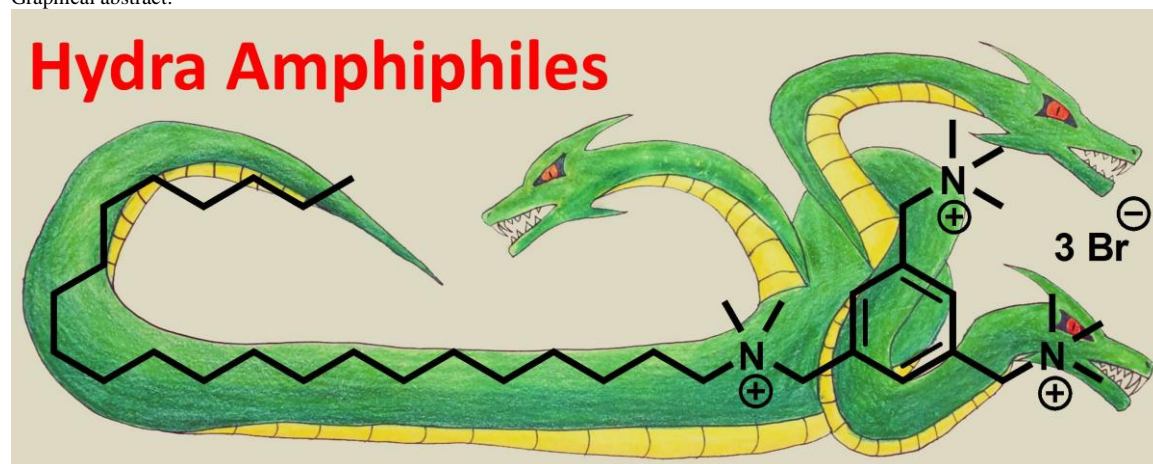
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Graphical abstract:



Short statistical summary:

- Word count: 5,710 (not including Title, Authors, Affiliation, References)
- Tables/figures: total = 8 (Figures 1-6, where the six panels of Figure 5 are counted as three figures)

Highlights

- Eight new amphiphiles were made, each with 3 cationic heads and 1 non-polar tail.
- Three cationic heads diminish the capacity of longer tails to induce aggregation.
- Amphiphiles with an 18 or 20 carbon tail are more effective at killing bacteria.
- Comparison to a related series (3 heads, 2 tails) reveals effect of second tail.
- Examining aggregation alongside antibacterial trends reveals intriguing prospects.

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