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Showcasing research from Professor D. B. Ramachary's laboratory, School of Chemistry, University of Hyderabad, Hyderabad, India.

Sustainable construction of value-added naphthoquinones for pharmaceuticals

The process of "Samudra Manthan" resembles mechanochemistry and shows the significance of teamwork and optimization in producing precious nectar from readily available medicinal herbs. Likewise, the cover picture depicts the high-yielding hydrodehydroxylation (HDH) strategy, which is perfectly optimized to access medicinally important 1,2-naphthoquinones and 1,4-naphthoquinones from the abundantly available 3-alkyl lawsones. The proposed HDH strategy perfectly helped in the concise total synthesis of deoxyneocryptotanshinone, miltirone, and their analogs.

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As featured in:



See Dhevalapally B. Ramachary et al., *Green Chem.*, 2025, **27**, 3465.