

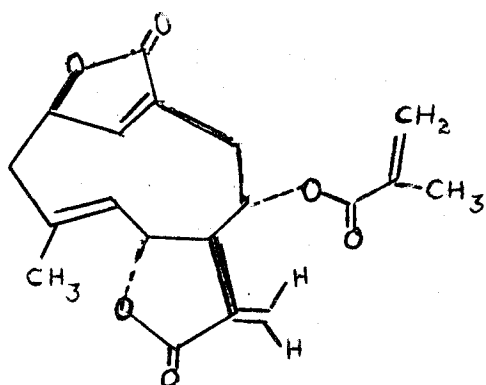
CYTOTOXIC GERMACRANOLIODES OF ELEPHANTOPUS SCABER

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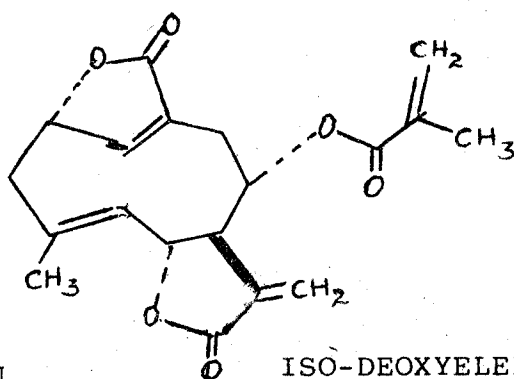
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We reported the isolation of 11-13 dihydroxy elephantopin (1) from Elephantopus scaber (s.Athadi) and Govindachari (2) had reported the presence of deoxy elephantopin (2) in the same plant from Madras.

We have now re-examined E.scaber using a new extractive procedure and isolated deoxy elephantopin and iso-deoxyelephantopin. The structures were established by spectroscopic methods. Both deoxyelephantopin and iso-deoxy elephantopin isolated from West Virginian Elephantopus carolianus showed significant cytotoxicity with $ED_{50} = 2.5 \mu\text{g/ml}$ against the in vitro growth of K B tissue culture cells (3).



DEOXY ELEPHANTOPIN



ISO-DEOXYELEPHANTOPIN

- References :
1. L.B. de Silva, W.H.M.W. Herath, R.C. Jennings, M. Mahendran and G.P. Wannigama (184).
 2. T.R. Govindachari, N. Visvanathan & H. Fuhrer (1974) Indian J. Chemistry 10, 272.
 3. D. Zhang, M. HARUNA, A.J. McPhil and KUD-HSIUNG Lee 1986) Phytochemistry 25, 899.