

SECTION E

CONSTITUENTS OF *PLUMBAGO ZEYLANICA* (PLUMBAGINACEAE)

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Plumbago zeylanica L. (Sinhala: Ela-nitul), a plant with a variety of medicinal applications (1) has been the subject of several investigations and the presence of plumbagin (5-hydroxy-2-methyl-1, 4-naphthaquinone), 3, 3'-biplumbagin, 3-chloroplumbagin, droserone, elliptinone, chitranone, zeylanone and isozeylanone has been reported. (2) (3).

From the phenolic fraction of the hot light petroleum extract of *P. zeylanica* roots we have isolated plumbagin (0.036%), droserone (0.0013%), isoshinanolone (0.036%) (3) and a new naphthalenone, 1, 2 (3)-tetrahydro-3, 3'-biplumbagin. The structures of these compounds have been established by spectroscopic evidence and chemical interconversions.

Financial Support from the Special Programme of Research, Development and Research Training in Human Reproduction, W.H.O. Geneva is acknowledged.

References

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