Abuta

Synonyms / Common Names / Related Terms
Abuta fluminum, Abuta grandifolia, Abuta grisebachii, Abuta panurensis, abutua, aristolochie lobee, barbasco, bejuco de cerca, bejuco de raton, butua, false pareira, feuille coeur, gasing-gasing, ice vine, imichich masha, liane patte cheval, Menispermaceae, pareira, pareira brava, patacon, velvetleaf.

Mechanism of Action

Pharmacology:
- Constituents: Bisbenzylisoquinoline alkaloids are the main active components of abuta and consist of grisabine and grisabutine2, panurensine and norpanurensine3, krukovine and limacine1, peinamine, 7-O-demethylpeinamine, N-methyl,7-O-demethylpeinamine, macolidine and macoline4.
- Protuberberine alkaloids have been found in the roots of the Cissampelos pareira Linn.5
- Another important alkaloid of the C. pareira is hayatin methochloride which possesses curariform activity.6,7,8
- The cytotoxic alkaloid, cisspareine, has been reported to possess anti-tumor activity.9
- The tropoloisoquinoline alkaloids, pareirubrines A and B, from C. pareira have been reported to possess the anti-leukemic action.10
- Cissampeloflavone, a chalcone-flavone dimer from the aerial parts of the C. pareira L. (Menispermaceae), has been reported to have activity against Trypanosoma cruzi and T. brucei rhodesiense and to have low toxicity to the human KB cell line.11

Pharmacodynamics/Kinetics:
- Insufficient available evidence.

References
8. SUR, R. N. and PRADHAN, S. N. STUDIES
ON CISSAMPELOS ALKALOIDS. I. ACTION OF HAYATIN DERIVATIVES ON THE CENTRAL NERVOUS SYSTEM OF CATS AND DOGS. Arch Int Pharmacodyn Ther 11-1-1964;152:106-114. 14248337


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