

THE STRUCTURE OF THE LIMONOID ROHITUKA SUBSTANCE 7 FROM *APHANAMIXIS POLYSTACHA**

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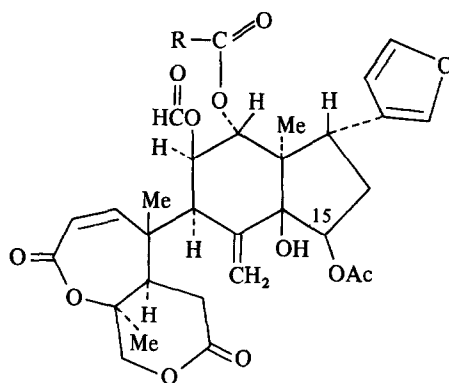
Abstract—Rohituka substance 7 has been shown by X-ray crystallography to have the 15 β -configuration, the opposite of that originally assigned

Among the limonoids isolated from *Aphanamixis polystacha* were a group of compounds containing 15-acyloxy groups [1]. A further one has subsequently been isolated from *Trichilia hispida* [2]. Most of these were amorphous, but one, named rohituka substance 7, was crystalline. The spectroscopic evidence of the stereochemistry at C-15 was equivocal, but was considered to favour a 15 α -acyloxy group.

An X-ray crystal structure determination has now been made of rohituka substance 7, and shows that the 15-substituent is in fact in the β -position, as shown in the formula (1) and not as originally assigned. Presumably the non-crystalline analogues have the same stereochemistry.

REFERENCES

- 1 Brown, D. A. and Taylor, D. A. H. (1978) *Phytochemistry* **17**, 1995.
- 2 Jolād, S. D., Hoffmann, J. J., Schram, K. H., Cole, J. R., Tempesta, M. S. and Bates, R. B. (1981) *J. Org. Chem.* **46**, 641.



1 R = CHOCHMeEt

* Part 2 in the series "Limonoid Extractives From *Aphanamixis polystacha*" For Part 1, see ref [1]