



Fig. 2. Stereoscopic illustration of the molecular packing. H(W) to O(4) acceptor atoms are incorrectly shown as solid (rather than dotted) lines due to software limitations.

Williams & Sagawa, 1986) via the asymmetric addition reaction of allylphosphonamides (Hua, Chan, McKie & Myer, 1987). Of the related alkaloids, only one structure of dihydrolycorine hydrobromide (Shiro, Sato & Koyama, 1966), one of narciclasine (Immirzi & Fuganti, 1972), and another of pancratistatin (Pettit, Gaddamidi, Cragg, Herald & Sagawa, 1984) have been reported. This study firmly estab-

lishes the structure of our synthetic compound, from photocyclization, and identifies the *trans* orientation of C(4a)—H(4a) and C(10b)—H(10b), the key feature of the *Amaryllidaceae* alkaloids.

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