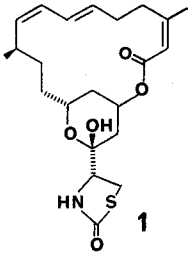
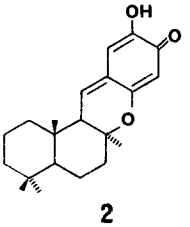
against *Candida albicans*, but no activity against *Staphylococcus aureus*, *Bacillus subtilis*, *Eschericia coli*, or *Pseudomonas aeruginosa*. In fish toxicity studies with goldfish at a concentration of 1 mg of latrunculin-A per liter of water the goldfish exhibit increased activity within 5 min of exposure; within 15–35 min the assay animals become disorientated and progressively paralyzed; within 50 min all assay animals are dead, while all control fish behave normally.

Examination of the brown encrusting sponge, *Heteronema* sp., on which *C. elisabethina* were feeding, yielded not even traces of latrunculin-A (**1**). Instead, the hexane fraction of our routine solvent partition after Sephadex LH 20 and silica gel HPLC purification led to a yellow solid, which by spectral comparison proved to be puupehenone (**2**), which we had previously isolated from an unidentified Enewetak sponge[6].

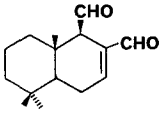
Concentration of latrunculin-A in *C. elisabethina* is high, ranging from 0.27 to 1% of wet animal. A rapid 5-min alcoholic extraction led to virtually pure latrunculin-A, which suggests that the compound is stored close to the surface of the animal. What is the biological origin of latrunculin-A? While Cimino et al.[7] have shown that the nudibranch *Dendrodoris limbata* can synthesize the well-known antifeedant polygodial (**3**) from mevalonic acid, diet-derived defensive agents seem to be employed more frequently[3]. We tend to believe – though we have no proof – that *C. elisabethina* acquires latrunculin-A (**1**) from an occasional food source, yet to be discovered.



1



2



3

Acknowledgment. We thank Mr Scott Johnson, Drs C. Ireland and G. Schulte for the collections and the National Science Foundation for financial support.

1 Kashman, Y., Groweiss, A., and Shmueli, U., Tetrahedron Lett. *21* (1980) 3629.
2 Spector, I., Shochet, N.R., Kashman, Y., and Groweiss, A., Science *219* (1983) 493.
3 Schulte, G.R., and Scheuer, P.J., Tetrahedron *38* (1982) 1857.
4 We thank Drs C. Ireland and G.R. Schulte for the June 1981 Guam collection and Mr Scott Johnson for the 1982/83 collections from Enewetak.
5 For spectral details see R.K. Okuda, Ph.D. Dissertation, University of Hawaii, 1983.
6 Ravi, B.N., Perzanowski, H.P., Ross, R.A., Erdman, T.R., and Scheuer, P.J., Pure appl. Chem. *51* (1979) 1893.
7 Cimino, G., Rosa, S. De, De Stefano, S., Sodano, G., and Villani, G., Science *219* (1983) 1237.

0014-4754/85/101355-02$1.50 + 0.20/0

Correction

G.A. Schuiling, N. Pols-Valkhof and T.R. Koiter: Clomiphene citrate can mimic the augmentative (positive) but not the depressing (negative) effect of estradiol on the LHRH-stimulated release of LH and FSH by the pituitary gland of the long-term ovariectomized rat, Experientia *41* (1985) 1060–1063. We regret that due to a production error, the placement of Fig. 1B and Fig. 2B was inadvertently reversed.