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Aplyronine A ...

... is an antitumor macrolide from the sea hare *Aplysia kurodai*. In their Communication on page 9871 ff., H. Kigoshi and co-workers report the synthesis of a poly(ethylene glycol) (PEG)-linked derivative of aplyronine A, which exhibits potent cytotoxicity and can cause actin disassembly in tumor cells. Actin-related proteins as well as actin were specifically purified from cell lysate by using this probe.

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Inside Cover

Victoria L. Blair, William Clegg, Alan R. Kennedy, Zoe Livingstone, Luca Russo, and Eva Hevia*

A special type of N-heterocycle activation promoted by a main-group compound is described by E. Hevia and co-workers in their Communication on page 9857 ff. Whereas previous organomagnesium reagents simply deprotonate benzothiazole, a new sodium magnesiate modification incorporating a bulky bis(amido) ligand initiates an unstoppable domino reaction that involves direct Mg–H exchange, C–C coupling, ring opening, nucleophilic addition, and intramolecular deprotonation of three molecules of benzothiazole at room temperature.

