

The challenging aplysinopsin cascade.



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From simple precursors (such as formylindoles) to complex indole alkaloids (the cycloaplysinopsins), the total synthesis of several natural substances (including dictazole B and tubastrindole B) has been accomplished in a maximum of three steps. The cascades of reactions that have been observed have led to propose a reasonable biosynthetic pathway for these intriguing natural substances of marine origin.

