

New type sesquiterpene lactone from almond hulls (*Prunus amygdalus* Batsch).

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Abstract:

A new unusual sesquiterpene lactone, named amygdalactone, was isolated from the hulls of almond (*Prunus amygdalus*). Complete assignment of the proton and carbon chemical shifts for the new lactone was accomplished on the basis of high-resolution 1D and 2D NMR data. Amygdalactone represents a new class of sesquiterpene with cyclohexa[7,12-g]octalactone ring system. The cytotoxic activity of amygdalactone was determined.