

The isolation of two potentially new natural products from the deep water sponge
Scleritoderma

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Pancreatic cancer is one of the deadliest forms of cancer. It has a five year survival rate of 1 to 2%. Natural products have proven to be an excellent source of new therapeutic agents with over 50% of all drugs approved since 1981 originating from natural products. Currently there has been a focus on the marine environment as a potential source of new natural products. The investigation of natural products from deep water marine invertebrates and microbes has increased the diversity of new natural products with therapeutic potential (e.g. the antitumor agent discodermolide). By applying a traditional bioassay guided fractionation method using a standard cytotoxicity assay (the MTT assay), the isolation of two potentially new natural products from the deep water sponge *Scleritoderma* are presented here. These two compounds have shown strong cytotoxic effects against two pancreatic cancer cell lines: PANC-1 and AsPC-1

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