

Aptamine-related alkaloid from the marine sponge *Aaptos aaptos*

ABSTRACT

A new aptamine-related alkaloid, 1,3-dioxolo [4,5-*d*] benzo [*de*]-1,6-naphthyridine (methylenedioxyaptamine, **1**), was isolated from the organic extracts of the Bornean marine sponge *Aaptos aaptos*, together with a known aptamine derivative, 8,9,9-trimethoxy-9*H*-benzo [*de*]-1,6-naphthyridine (**2**). The structure of compound **1** was elucidated by interpretation of its spectroscopic data. Two compounds were tested for their cytotoxic potentials against adult T-cell leukemia (ATL) cells, and compound **1** showed moderate cytotoxic potential.