

ABSTRACT

CHARACTERISATION OF SECONDARY METABOLITES FROM THE CARIBBEAN MARINE SPONGES *APLYSINA* *CAULIFORMIS* AND *XESTOSPONGIA MUTA*.

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This thesis is divided into two chapters:

A chemical investigation of *Aplysinia cauliformis* is reported in chapter one as well as a discussion of bromotyrosine derivatives previously isolated from sponges of the order *Verongida*.

A chemical investigation of *Xestospongia muta* is reported in chapter two. A discussion of nucleosides, ceramides and cyclitol derivatives, previously isolated from marine sponges, is also included in this chapter.