P-01

Chemical Constituents and Cytotoxic Principle from *Cephalantheropsis gracilis*

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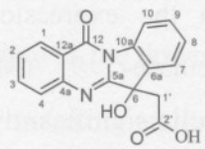
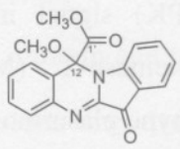
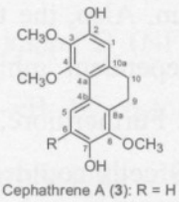
Cephalantheropsis gracilis afforded five new compounds: cephalanthrin-A (**1**), -B (**2**), cephathrene-A (**3**), -B (**4**), methyl 2-(aminocarbonyl)phenylcarbamate (**5**), and fifty-two known compounds. The structures of the new compounds were determined by spectroscopic analysis. Among the compounds isolated, tryptanthrin (**6**), phaitanthrin A (**7**), cephalinone D (**19**), and flavanthrin (**30**) showed significant cytotoxicity against MCF-7, NCI-H460, and SF-268 cell lines.



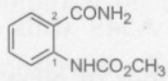
Cephalanthrin A (**1**)



Cephalanthrin B (**2**)



Cephathrene A (**3**): R = H
Cephathrene B (**4**): R = OCH_3



methyl 2-(aminocarbonyl)phenylcarbamate (**5**)

Key words: *Cephalantheropsis gracilis*; Orchidaceae; quinazoline; tryptanthrin; indolotryptanthrin; dihydrophenanthrene; cytotoxicity