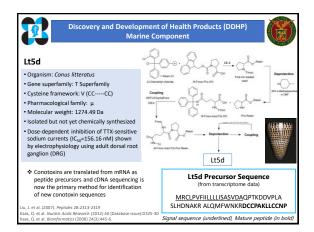
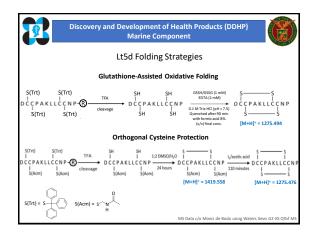
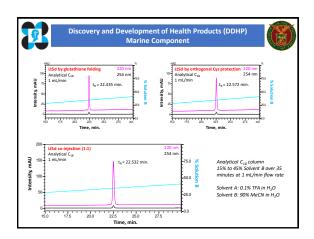
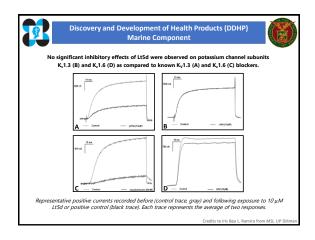


	Discovery and Development of Health Products (DDHP) Marine Component				
The total synthesis of the ff. peptides has been undertaken					
PEPTIDE	SOURCE ORGANISM	BASIS OF SYNTHESIS	SEQUENCE	MASS (Da)	MOLECULAR TARGET
KIIIa	Conus kinoshitai	from Conoserver	CCNCSSKWCRDHSRCC(NH ₂)	1882.68	Na ⁺ channel
Lt5d	Conus litteratus	from Conoserver	DCCPAKLLCCNP	1274.49	Na+ channel
Cstri26-13	Conus striolatus	isolated	X ₂ -CC-X ₅ -C-X ₅ -C-X ₅ -CC	2434.97	K+ channel
Contulakin -Ro1	Conus rolani	isolated	X ₄ -C-X ₄ -C-X ₃	1572.64	-
CsterL1062 16-1	Conus stercusmuscarum	isolated	C-X ₆ -C-X ₆ -CC-X ₃ -C-X ₆ -C	2847.19	-









Summary

- Marine environments: a very rich resource for new bioactive compounds
- Marine natural products: new carbon skeletons for synthesis of potentially more active, selective compounds
- · Assays: antimicrobial, cytotoxic, neuroactive
- Synthetic capability: access new structures for SAR study
- Databases: aid in the screening and selection of compounds to pursue

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Marine Component
DOST PCHRD (FP140015)