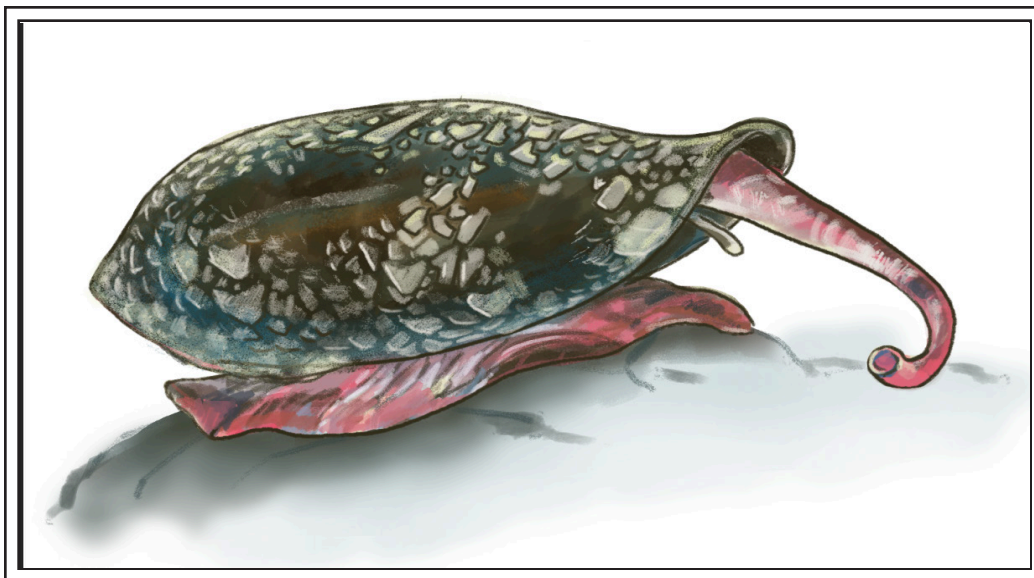




SPECIES:

Conus aulicus

PREY: Molluscs

REGION: Indo-Pacific

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
AuIB	GCCSYPPCFATNPDC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
AuIC	GCCSYPPCFATNSGYC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
AuIA	GCCSYPPCFATNSDYC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
AuVA	FCCPFIRYCCW	???	1-3, 2-4
AuVB	FCCPVIRYCCW	???	1-3, 2-4

* indicates the preceeding amino acid is modified



SPECIES:

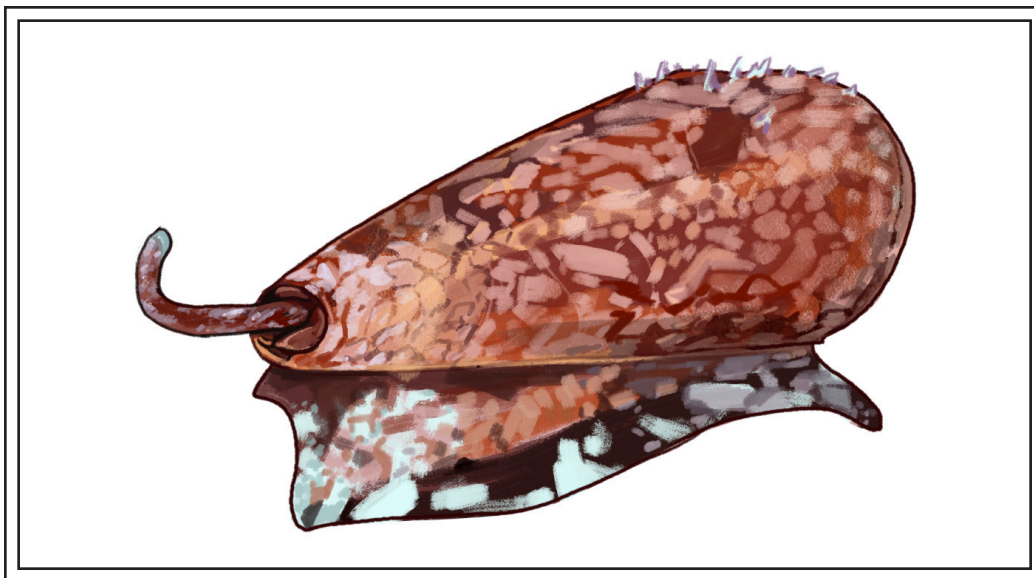
Conus ermineus

PREY: Fish

REGION: Eastern Atlantic and
Mediterranean, Western Atlantic and
Caribbean

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
EIIA	ZTOGCCWNPACVKNRC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
EI	RDOCCYHPTCNMSNPQIC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
EVIA	DDCIKOYGFCSLPILKNGLC CSGACVGVCADL*	Voltage-gated Na channels (agonist, delay inactivation)	1-4, 2-5, 3-5
EIVB	GCCGKYONAACHOCGCTVGROOYCDROSGG*	Nicotinic acetylcholine receptors (nAChR)	1-5, 2-3, 4-6
EIVA	GCCGPYONAACHOCGCKVGROOYCDROSGG*	Nicotinic acetylcholine receptors (nAChR)	1-5, 2-3, 4-6

* indicates the preceeding amino acid is modified



SPECIES:

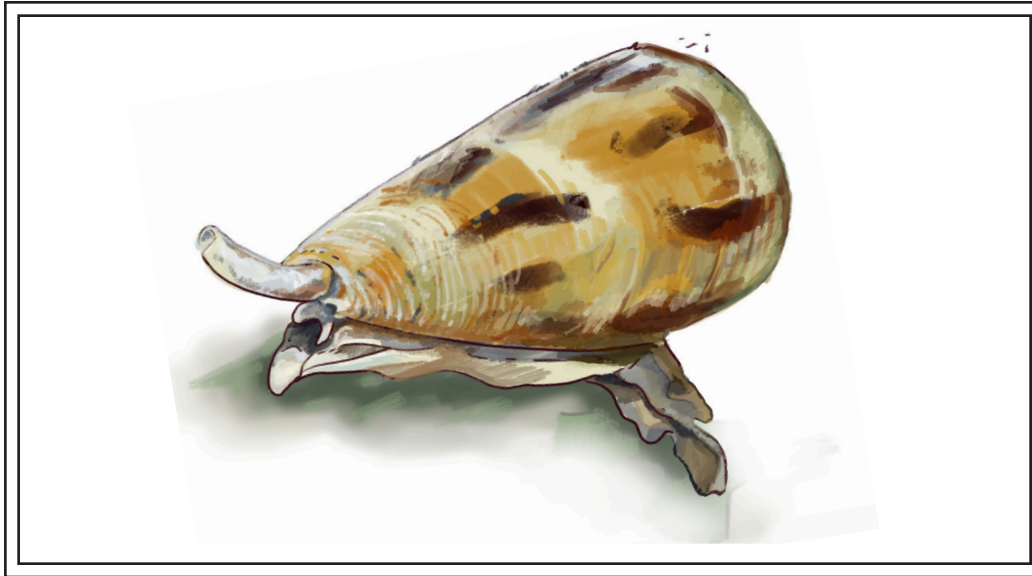
Conus geographus

PREY: Fish

REGION: Indo-Pacific

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
GII	ECCHPACGKHFSC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
GI	ECCNPACGRHYSC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
GIA	ECCNPACGRHYSCGK	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
GID	IRDE*CCSNPACRVNNOHVC	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
GIIA	RDCCTOOKKCKDRQCKOQRCCA*	Voltage-gated Na channels (antagonist, blocker)	???
GIIB	RDCCTOORKCKDRRCKOMKCCA*	Voltage-gated Na channels (antagonist, blocker)	???
GIIC	RDCCTOOKKCKDRRCKOLKCCA*	Voltage-gated Na channels (antagonist, blocker)	???

* indicates the preceeding amino acid is modified



SPECIES:

Conus magus

PREY: Fish

REGION: Indo-Pacific

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
M1.1	CCHPACGQNYSC	???	1-3, 2-4
MI	GRCCHPACGKNYSC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
M1B	NGRCCHPACARKYNC*	???	1-3, 2-4
M1A	DGRCCHPACAKHFNC*	???	1-3, 2-4
MII	GCCSNPVCHLEHSNLC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
MIIIA	ZGCCNVPNGCSGRWCRDHAQCC*	Voltage-gated Na channels (antagonist, blocker)	???
MIC	CCHPACGKNYSC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4

* indicates the preceeding amino acid is modified



SPECIES:

Conus marmoreus

PREY: Molluscs

REGION: Indo-Pacific

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
Mr1.1	GCCSH PACSVNNPDIC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
CMrX	GICCGVSFCYOC	Neuronal noradrenaline transporter	1-4, 2-3
MrIB	VGVC CGYKLCHOC	Neuronal noradrenaline transporter	1-4, 2-3
MrIA	NGVC CGYKLCHOC	Neuronal noradrenaline transporter	1-4, 2-3
CMrVIA	VCCGYKLCHOC	Neuronal noradrenaline transporter	1-4, 2-3

* indicates the preceeding amino acid is modified



SPECIES:

Conus pennaceus

PREY: Molluscs

REGION: Indo-Pacific

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
PnIA	GCCSLPPCAANNPDY*C*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
PnIB	GCCSLPPCALSNPDY*C*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
PnIVB	CCKYGWTCWLGCSPCGC	Voltage-gated Na channels (antagonist, blocker)	1-5, 2-3, 4-6
PnVIB	DDDCEPPGNFCGMIKIGPPCCSGWCFFACA	Voltage-gated Ca channels (blocker)	1-4, 2-5, 3-5
PnVIA	GCLEVDYFCGIPFANGLCCSGNCVFVCTPQ	Voltage-gated Ca channels (blocker)	1-4, 2-5, 3-5
PnVIIA	DCTSWFGRCTVNSE*CCSNSCDQTYCE*LYAFOS	Neuronal pacemaker cation currents (inward cation current)	1-4, 2-5, 3-5
PnIVA	CCKYGWTCLLGCSPCGC	Voltage-gated Na channels (antagonist, blocker)	1-5, 2-3, 4-6

* indicates the preceeding amino acid is modified



SPECIES:

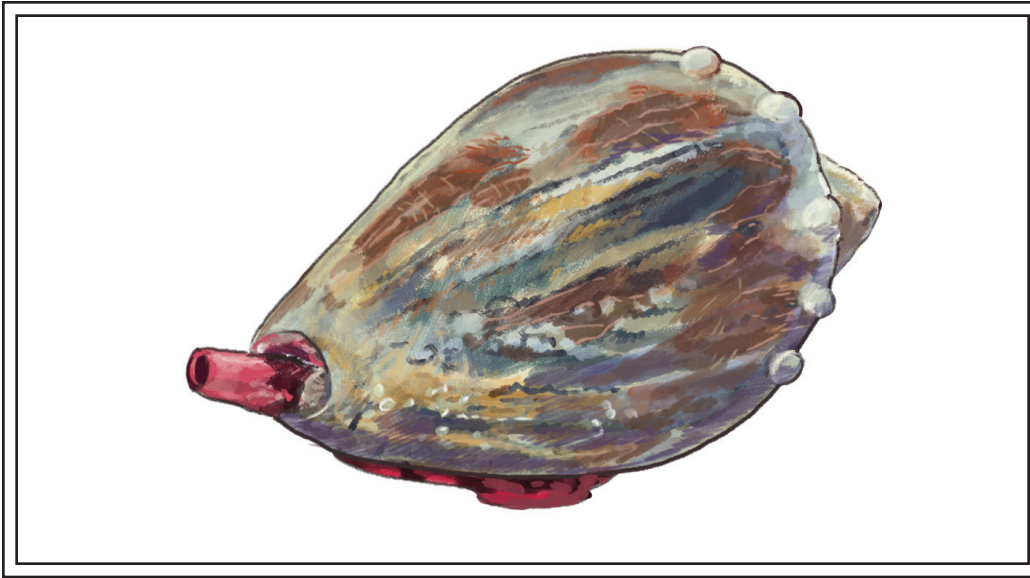
Conus purpurascens

PREY: Fish

REGION: Eastern Pacific

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
PIB	ZSOGCCWNPACVKNRC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
PIIIF	GOOCCLYGSCROFOGCYNALCCRK*	Nicotinic acetylcholine receptors (nAChR)	???
PIIIE	HOOCCLYGKCRRYOGCSSASCCQR*	Nicotinic acetylcholine receptors (nAChR)	???
PIVE	DCCGVKLEMCHPCLCDNSCKNYGK*	Voltage-gated K channels (blocker)	1-5, 2-3, 4-6
PIVF	DCCGVKLEMCHPCLCDNSCKKSGK*	Voltage-gated K channels (blocker)	1-5, 2-3, 4-6

* indicates the preceeding amino acid is modified



SPECIES:

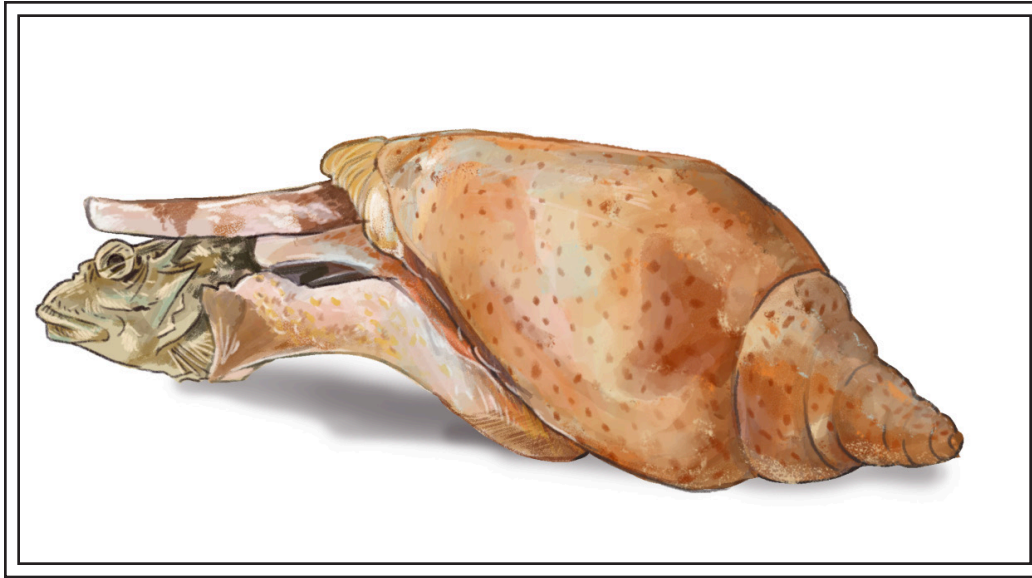
Conus regius

PREY: Worms

REGION: Eastern Pacific

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
Reg1b/ Reg1c	GCCSDORCKHQC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
Reg1e	GCCSDORCRYRC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
Reg1d	GCCSDPRCKHEC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
Reg1f	DYCCRROOCTLIC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
RegIIA	GCCSHPACNVNNPHIC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
RGIB	TWEECKNPGCRNNHVDRCRGQV	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4

* indicates the preceeding amino acid is modified



SPECIES:

Conus spurius

PREY: Worms

REGION: Western Atlantic and Caribbean

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
SrVA	IINWCCLIFYQCC	???	1-3, 2-4
SrXIA	CRTEGMSCE*E*NQQCCWRSCCRGECEAPCRFGP*	???	1-4, 2-6, 3-7, 5-8
SrVIIA	CLQFGSTCFLGDDDICCSGECFYSGGTFGICS*	???	1-4, 2-5, 3-5
SrIB	RTCCSROTCRMEYPE*LCG*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
SrIA	RTCCSROTCRME*YPE*LCG*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4

* indicates the preceeding amino acid is modified



SPECIES:

Conus striatus

PREY: Fish

REGION: Indo-Pacific

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
SI	ICCNPACGPKYSC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
SIA	YCCHPACGKNFDC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
SII	GCCCNPACGPNYGCGTSCS	Nicotinic acetylcholine receptors (nAChR)	???
SIIIA	ZNCCNGGCSSKWCRDHARCC*	Voltage-gated Na channels (antagonist, blocker)	???
SIIB	ZNCCNGGCSSKWCKGHARCC*	Voltage-gated Na channels (antagonist, blocker)	???
SVIA	CRSSGSOCGVTSICCGRCYRGKCT*	Voltage-gated Ca channels (blocker)	1-4, 2-5, 3-5

* indicates the preceeding amino acid is modified



SPECIES:

Conus textile

PREY: Molluscs

REGION: Indo-Pacific

PEPTIDE	SEQUENCE	TARGET	CYSTEINE FRAMEWORK
TxIA	GCCSROOCIANNPDLC*	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4
TxVA	E*CCE*DGW*CCT*AAO	Presynaptic Ca channels or G protein-coupled presynaptic receptors	1-3, 2-4
TxVC	KPCCSIHDNSCCGL	Nicotinic acetylcholine receptors (nAChR)	1-3, 2-4

* indicates the preceeding amino acid is modified