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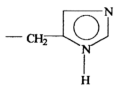
ABBREVIATIONS

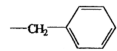
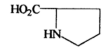
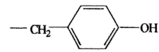
ATP	adenosine triphosphate
$(Ca^{2+})_i$	intracellular Ca^{2+}
$[Ca^{2+}]_i$	intracellular Ca^{2+} concentration
$CaCl_2$	calcium chloride
cAMP	cyclic adenosine monophosphate
CCl_4	carbon tetrachloride
$CDCl_3$	deuterated chloroform
cGMP	cyclic guanosine monophosphate
CH_2Cl_2	dichloromethane
$CHCl_3$	chloroform
cm	centimetre
cm^{-1}	per centimetre
COSY	H-H correlation spectroscopy
δ	chemical shift
DAHP	3-deoxy-*D*-arabino-heptulosonic acid-7-phosphate
DEPT	distortionless enhancement by polarisation transfer
DMSO	dimethylsulphoxide
$\Delta\nu$	difference in frequency
ε	molar absorptivity
ED_{50}	effective dose at 50% activity
EDRF	endothelium-derived relaxing factors
EDTA	ethylenediamine-tetraacetic acid
EGTA	ethyleneglycol-*bis*-(β-aminoethylether)tetraacetic acid
FT	fourier transform
g	gram
GC	gas chromatogram
HETCOR	heteronuclear chemical shift correlation
high $[K^+]$, high K^+	high K^+ concentration
HMBC	heteronuclear multiple bond connectivity
Hz	Hertz

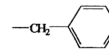
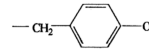
IC_{50}	concentration required to inhibit 50% of muscle contraction
IP_3	inositol-1,4,5-triphosphate
IR	infra red
J	coupling constant (Hz)
KCl	potassium chloride
LC_{50}	concentration required to kill 50% of shrimps
L-type	long lasting type
m	metre
M	molar
m/z	mass/charge
MAP	mean arterial pressure
max	maximum
MeOH	methanol
mg ml^{-1}	milligram per millilitre
$MgCl_2$	magnesium chloride
MHz	megaHertz
ml	millilitre
MLC	myosin light-chain
MLCK	myosin light-chain kinase
MLCP	myosin light-chain phosphate
mm	millimetre
mM	millimolar
MS	mass spectrum
mV	millivolt
µg ml^{-1}	microgram per millilitre
µl	microlitre
NaCl	natrium chloride
$NaHCO_3$	natrium hydrogen carbonate
nm	nanometre
nM	nanomolar
NMR	nuclear magnetic resonance
NO	nitric oxide

PE	phenylephrine
pet. ether	petroleum ether
ppm	parts per million
R_f	retention factor
ROC	receptor-operated non-selective Ca^{2+} channel
Rt	retention time
SR	sarcoplasmic reticulum
tlc	thin layer chromatography
TMS	tetramethylsilane
2D	two dimensions
UV	ultra violet
v/v	volume per volume
var	variants
VDC	voltage-dependent Ca^{2+} channel

Amino acids

abbreviation	name	structure of **R**
Ala	alanine	$-CH_3$
Arg	arginine	$-CH_2CH_2CH_2NHC(=NH)NH_2$
Asp	aspartic acid	$-CH_2CO_2H$
Gly	glycine	$-H$
His	histidine	
Ile	isoleucine	$-CH(CH_3)CH_2CH_3$
Leu	leucine	$-CH_2CH(CH_3)_2$

Phe	phenylalanine	
Pro	proline	 (complete structure)
Ser	serine	$-CH_2OH$
Tyr	tyrosine	
Val	valine	$-CH(CH_3)_2$

Phe	phenylalanine	
Pro	proline	 (complete structure)
Ser	serine	$-CH_2OH$
Tyr	tyrosine	
Val	valine	$-CH(CH_3)_2$