

Abkürzungen/Abbreviations

α -MSH	alpha-Form des Melanozyten-stimulierenden Hormons	CRBP	Retinsäure-bindendes Protein
AA	angina attacks	Cyt	cytochrome
AADC	aromatische Aminosäure-Decarboxylase	Dio	Deiodase
AA-NAT	Arylalkylamin-N-Acetyl-Transferase	DMN	Nucleus dorsomedialis hypothalami
ABPM	ambulatory blood pressure monitoring	DNA	desoxyribonucleic acid
AC	Adenylatcyclase	DREAM	downstream regulatory element antagonist modulator
ACE	angiotensin converting enzyme	DSP	dual specificity phosphatase
ADF	actin depolymerization factor	ECG	electrocardiogram (EKG)
ADP	Adenosindiphosphat	ECM	extracellular matrix
ADR	adrenerger Rezeptor	Eco311	Restriktionsenzym Eco311
AFMK	N ¹ -acetyl-N ² -formyl-5-methoxykynuramine	ER	extended release (langsam freisetzende Arzneifreigabe)
AGE	advanced glycation endproduct	ERK	extracellular signal-regulated kinase
AHA	Area hypothalamica anterior	ETC	electron transport chain
ALT-711	Alagebrium	F3K	fructosamin 3-phosphokinase
AMMC	3-acetamidomethyl-6-methoxycinnolinone	GABA	gamma-aminobutyric acid (Neurotransmitter)
AMK	N ¹ -acetyl-5-methoxykynuramine	GAPC	GPCR-associated protein complex
AMP	Adenosinmonophosphat	GC	Guanylatcyclase
ANP	atrial natriuretic peptide	GCK	Glucokinase
ARC	Nucleus arcuatus	GCKR	glucokinase regulatory protein
ARP	actin-related protein	G6PC2	glucose-6-phosphatase catalytic subunit-related protein 2
ASIS	“Angina and Silent Ischemia Study Group”	GFAP	glial fibrillary acidic protein (saures Gliafibrillenprotein)
ASMT	Acetyl-Serotonin-Methyl-Transferase (HIOMT)	Gi	inhibitorisches GTP-bindendes Protein
AT	Angiotensin	GK-Ratten	Goto-Kakizaki-Ratten
ATP	Adenosintriphosphat	GLP	glukagon-like peptide
AUC	area under the curve	GLUT	glucose transporter
AVPV	Nucleus periventricularis anteroventralis	GMF	glial maturation factor
Bfil	Restriktionsenzym Bfil	GMP	Guanosinmonophosphat
BMAL1	brain and muscle arylhydrocarbon receptor nuclear translocator protein 1 (Uhrengen-Protein)	GnRH	gonadotropin-releasing hormone
BMI	body mass index	GOLD	glyoxalysine dimer
8-Br-cGMP	8-Brom-cGMP	GPCR	G-protein-coupled receptor
BRET	bioluminescence resonance energy transfer	GPR50	G-protein-coupled receptor 50
cAMP	cyclisches 3'-5'-Adenosinmonophosphat	Gq	GTP-bindendes Protein q
CBP	CREB-binding protein	GSH	reduced glutathione
CEL	Carboxymethyllysin	GTP	Guanosintriphosphat
cGMP	cyclisches 3'-5'-Guanosinmonophosphat	HbA1c	glycosylated haemoglobin A1c
CHD	coronary heart disease	HDL	high density lipoprotein
CHO	Chinese hamster ovary	HEK	human embryonic kidney
CIPP	channel-interacting PDZ domain protein	HHG-Achse	Hypothalamus-Hypophysen-Gonaden-Achse
CK	casein kinase	HHT-Achse	Hypothalamus-Hypophysen-Thyreoidea-Achse
CLASP	CLIP-associated protein	Hif	hypoxia-inducible factor
CLIP	cytoplasmatic linker protein	HIOMT	Hydroxyindol-O-methyltransferase (ASMT)
CLOCK	circadian locomotor output cycles kaput (Uhrengen-Protein)	HNO	protonated nitroxyl
Cmax	peak drug concentration (Konzentration im Maximum)	HR	heart rate
CML	Carboxymethyllysin	HSC/HSP	heat shock protein
CNG	cyclic nucleotide-gated	HT	Hydroxytryptamin
Com	complex	IBMX	3-Isobutyl-1-methylxanthin
COP	multi-protein complex of the ubiquitin-proteasome pathway	ICER	inducible cAMP early repressor
CoQ	<i>C. elegans</i> -specific coenzyme	iddm	insulin-dependent diabetes mellitus
CREB	cAMP-regulated element binding protein	IGF	insulin-like growth factor
Crem	cAMP-regulated element modulator	IL	Interleukin
Cry	cryptochrome (Uhrengen)	IMAC	immobilized metal affinity chromatography
		iNOS	inducible nitric oxide synthase
		INS1	Ratten-Insulinomazelle INS1
		IP3	Inositol-1,4,5-triphosphat
		I. R.	immediate release
		IRS	insulin receptor substrate

ISA	intrinsic sympathomimetic agonist	PP	protein phosphatase
ISAM	“Myocardial Infarction Study”	4P-PDOT	4-Phenyl-2-propionamidotetralin
IS-5-MN	isosorbide-5-mononitrate	PP _i	Pyrophosphat
ISDN	isosorbide-dinitrate	PRV	<i>pseudorabies</i> virus
IVGTT	intravenöser Glukosetoleranztest	PSD	post synaptic density
JAK	Janus kinase	<i>Ptc1</i>	Tumorsuppressorgen <i>patched 1</i>
JNK	c-Jun NH ₂ -terminal kinase	PTP	protein tyrosine phosphatase
KO	knockout	PTPN	tyrosine-protein phosphatase, non-receptor type
LCD	L-cis-Diltiazem (Benzothiazepinderivat)	PTX	Pertussistoxin
LH	Luteinisierendes Hormon	PVN	Nucleus paraventricularis
LHA	Area hypothalamica lateralis	QR	quinone reductase
L-NMMA	N ^G -monomethyl-L-arginin	RAGE/AGER	receptor of advanced glycation endproducts
LVEF	left ventricular ejection fraction	RCI	respiratory control index
MAP	mitogen-activated protein	RGSZ1/RGS20	regulatory G-protein signaling-Z1
MAP2	microtubule-associated protein 2	RIA	Radioimmunoassay
MAPK	mitogen-activated protein kinase	ROR	retinoic acid receptor related orphan receptor
MBH	mediobasaler Hypothalamus	ROR α	alpha-Isoform des ROR
MCP	monocyte chemoattractant protein	ROR γ	gamma-Isoform des ROR
MDA	malondialdehyde	RZR β	beta-Isoform des ROR
MEK	mitogen-activated protein kinase kinase	ROS	reactive oxygen species
mGC	membranständige Form der Guanylatcyclase	RT-PCR	real-time polymerase chain reaction
MI	myocardial infarction	Rx	Rezeptur bzw. Dosierung um die Zeit x
MMM	mitochondrial metabolism modifier	SAMP	senescence-accelerated mouse prone
MMP	matrix metalloproteinase	SCD	sudden cardiac death
MOLD	methylglyoxallysine dimer	SCN	Nucleus suprachiasmaticus
MPP	1-methyl-4-phenylpyridinium	sd	single dose
mRNA	messenger ribonucleic acid	SDHC	succinate dehydrogenase complex
MRP	multidrug resistance protein	SEM	standard error of mean (Standardfehler)
MRPs	Maillard reaction products	sGC	lösliche Form der Guanylatcyclase
mt	mitochondrial	SIRT	Sirtuin
MT1-Rezeptor	Mel1a-(Melatonin)-Rezeptor	SNAP	S-nitroso-N-acetyl-DL-penicillamine
MT2-Rezeptor	Mel1b-(Melatonin)-Rezeptor	SNP	single nucleotide polymorphism
<i>MTNR1b</i>	Gen des MT2/Mel1b-(Melatonin)-Rezeptors	SOCS	suppressor of cytokine signalling
MTPT	1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine	S. R.	sustained release
MUPP	multi-PDZ domain protein	SRBI	scavenger receptor class B
NA	Noradrenalin	sRAGE	soluble receptor of advanced glycation endproduct
NAD	Nicotinamidadeninucleotid	SSTR	somatostatin receptor
NADPH	Nicotinamidadeninucleotidphosphat	stA	stable angina pectoris
NF κ B	nuclear factor kappa-light-chain-enhancer of activated B cells	StAR	steroidogenic acute regulatory protein
NMDA	N-methyl-D-aspartate	STAT	signal transducers and activators of transcription
nNOS	neuronal nitric oxide synthase	STZ	Streptozotocin
NO	nitric oxide (Stickstoffmonoxid)	T ₃	Trijodthyronin
NOS	nitric oxide synthase (Stickstoffmonoxid-Synthase)	T ₄	Thyroxin
n-Q	non Q-wave infarction	TAP	tandem affinity purification
NPY	Neuropeptid Y	TEV	Tobacco Etch Virus
NS2028	4H-8-bromo-1,2,4-oxadiazolo-(3,4d)-benz-(b)(1,4)-oxazin-1-on	TGF	transforming growth factor
ODQ	1H-(1,2,4)-oxadiazolo-(4,3- α)-quinoxalin-1-on	t.i.d.	three times a day
OGGT	oraler Glukosetoleranztest	TIMI	thrombolysis in myocardial ischemia
P	Phosphor, Phosphatgruppe	tmax	time-to Cmax (Zeitpunkt der maximalen Konzentration)
PCR	polymerase chain reaction	TNF	tumor necrosis factor
pCREB	phosphoryliertes “cAMP regulated element binding protein”	TPH	Tryptophan-Hydroxylase
PDE	Phosphodiesterase	UCP	uncoupling protein
PEPT	major peptide carrier	VA	ventricular arrhythmia
<i>Per</i>	Period-Gen (Uhrenngen)	varA	variant angina
PKA	Proteinkinase A	VMH	Nucleus ventromedialis hypothalami
PKC	Proteinkinase C	VPC	ventricular premature complex
PKG	Proteinkinase G	w	week
PLC	Phospholipase C	WHO	“World Health Organization”
		WR-Ratten	Wistar-Ratten