

## 8. Abkürzungsverzeichnis

ABC-Transporter	ATP Binding Cassette- Transporter
ADP	Adenosindiphosphat
AGE	Advanced Glycation Endproducts
APS	Ammoniumperoxodisulfat
ATP	Adenosintriphosphat
AUC	Area under curve
BCA	Bicinchoninsäure
BCRP	Breast Cancer related protein
BHS	Blut-Hirn-Schranke
CML	N-Carboxymethyllysin
COST	European Cooperation in the field of Scientific and Technical Research
CYP	Cytochrom P450
DAPI	4',6-Diamidino-2-phenylindol
DHM	2,3-Dihydro-3-hydroxymaltol
DMEM	Dulbecco's Minimum Essential Medium
DNA	Desoxyribonukleinsäure
ECACC	European Collection of Cell Cultures
EDTA	Ethylendiamintetraessigsäure
EPIC	European Prospective Investigation into Cancer and Nutrition
FACS	Fluorescence Activated Cell Sorting
FKS	Fötales Kälberserum
HDAC	Histon-Deacetylase
HLB	hydrophil-lipophil-balance
HMW-Fraktion	hochmolekulare Fraktion (high-molecular weight)
IC <sub>50</sub>	mittlere inhibitorische Konzentration
kDa	kilo Dalton
LAL	Limulus-Amöbozyten-Lysat
LBD	Liganden-Bindungsdomäne
LMW-Fraktion	niedermolekulare Fraktion (low-molecular weight)
MCT	Monocarboxylat-Transporter
MDR	Multidrug Resistance

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MEM	Minimum Essential Medium
mRNA	messenger Ribonukleinsäure
MRP	Multidrug Resistance-related Protein
MRPs	Maillard-Reaktionsprodukte
MTT	3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyl-2H-tetrazoliumbromid
NBD	Nukleotid-Bindungsdomäne
OATP	Organic Anion Transporter
OD	optische Dichte
$P_{app}$	Permeabilitätskoeffizient
PAR	Protease-aktivierter Rezeptor
PBS	phosphate buffered saline
P-gp	P-Glykoprotein
PVDF	Polyvinylidendifluorid
PXR	Pregnan X-Rezeptor
RAGE	Receptor for Advanced Glycation Endproducts
RH 123	Rhodamin 123
SCFAs	Kurzkettige Fettsäuren (Short-chain fatty acids)
SD	Standardabweichung
SDS	Natriumdodecylsulfat
SNPs	Single Nucleotide Polymorphisms
TBST	Tris-Buffered Saline Tween-20
TEER	transepithelialer elektrischer Widerstand
TEMED	N, N, N', N' - Tetramethylethyldiamin
TMD	Transmembrandomäne
TMH	Transmembran-Helices
VDR	Vitamin D-Rezeptor