%CV  Percent coefficient of variation
2/4/A1 Conditionally immortalised cell line derived from foetal rat intestine
2D  Two dimensional
3D  Three dimensional
ABC  ATP binding cassette
ABL  Aqueous boundary layer
ABS  Absolute bioavailability score
ACE  Angiotensin converting enzyme
ACN  Acetonitrile
ADME  Absorption, distribution, metabolism, excretion
AGE  Advanced glycation endproduct
ATP  Adenosine triphosphate
AUC  Area under the concentration versus time curve
Avg.  Average
BBB  Blood-brain barrier
BCS  Biopharmaceutical classification system
BDDCS  Biopharmaceutical drug disposition classification system
BML  Bio-mimetic lipid membrane
Caco-2  Adenocarcinoma cell line derived from human colon
Clint  Intrinsic clearance of drug from system
CYPs  Cytochrome P450-enzymes
DMPK  Drug metabolism and pharmacokinetics
DMSO  Di-methyl sulphoxide
DPBS  Dulbecco’s phosphate buffer saline
EDTA  Ethylene di-amine tetra acetic acid
EPL  Egg phospholipids
FA  Fraction absorbed
FDA  Food and drug administration
FPE  Fluid-phase endocytosis
GI  Gastrointestinal
HBA  Hydrogen bond acceptor
HBD  Hydrogen bond donor
HIA  Human intestinal absorption
HLB  Hydrophilic lipophilic balance
HOA  Human oral absorption
HPLC High-performance liquid chromatography
i.d.  Internal diameter
IAM  Immobilized artificial membrane
ILC  Immobilized liposome chromatography
KCI  Potassium Chloride
LC/MS/MS  Liquid chromatography-mass spectrometry system
LLC-PK1  Cell line derived from pig kidney epithelia
MD  Molecular dynamics
MDCK Madin-Darby canine kidney cell line derived from dog kidney epithelia
MDR  Multidrug resistance protein
MgCl2  Magnesium chloride
min  Minutes
MRP  Multidrug resistance-associated protein
MS  Mass spectrometry
Na2HPO4  Di-sodium hydrogen phosphate
NaCl  Sodium Chloride
NADPH  Nicotinamide adenine dinucleotide phosphate
NaH2PO4  Sodium di-hydrogen phosphate
NCE  New chemical entity
NMR  Nuclear magnetic resonance
NSAID  Non-steroidal anti-inflammatory drugs
OAT  Organic anion-transporter
OATP  Organic anion-transporting polypeptide
OCT  Organic cation transporter
ODS  Octadecylsilane
Pa  Passive permeability
PAMPA  Parallel artificial membrane permeability
PBS  Phosphate buffer saline
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEPT</td>
<td>Oligopeptide transporter</td>
</tr>
<tr>
<td>P-gp</td>
<td>P-glycoprotein</td>
</tr>
<tr>
<td>PK</td>
<td>Pharmacokinetics</td>
</tr>
<tr>
<td>POPC</td>
<td>Palmitoyl oleoyl phosphatidylcholine</td>
</tr>
<tr>
<td>QSAR</td>
<td>Quantitative structure-activity relationship</td>
</tr>
<tr>
<td>QSPR</td>
<td>Quantitative structure-property/permeability relationship</td>
</tr>
<tr>
<td>R&amp;D</td>
<td>Research and development</td>
</tr>
<tr>
<td>RME</td>
<td>Receptor mediated endocytosis</td>
</tr>
<tr>
<td>RPLC</td>
<td>Reverse phase liquid chromatography</td>
</tr>
<tr>
<td>S.D.</td>
<td>Standard deviation</td>
</tr>
<tr>
<td>S.E.</td>
<td>Standard error</td>
</tr>
<tr>
<td>SPR</td>
<td>Surface plasmon resonance</td>
</tr>
<tr>
<td>TEER</td>
<td>Transepithelial electrical resistance</td>
</tr>
<tr>
<td>Temp.</td>
<td>Temperature</td>
</tr>
<tr>
<td>UV</td>
<td>Ultraviolet</td>
</tr>
<tr>
<td>Vs</td>
<td>Versus</td>
</tr>
<tr>
<td>Vx</td>
<td>Molar volume</td>
</tr>
</tbody>
</table>