

List of Abbreviations

POM	Polyoxometalates
HPAs	Heteropolyacids
TPA	12-tungstophosphoric acids
MCM-41	Mobil Composition of Matter No. 41
L-arg/MCM-41	L-arginine loaded into MCM-41
Cys/MCM-41	Cysteine loaded into MCM-41
Asp/MCM-41	Aspirin loaded into MCM-41
Cap/MCM-41	Captopril loaded into MCM-41
CPT/MCM-41	Camptothecin loaded into MCM-41
TPA-MCM-41	MCM-41 functionalized by TPA
L-arg/TPA-MCM-41	L-arginine loaded into TPA-MCM-41
Cys/TPA-MCM-	Cysteine loaded into TPA-MCM-41
Asp/TPA-MCM-41	Aspirin loaded into TPA-MCM-41
Cap/TPA-MCM-41	Captopril loaded into TPA-MCM-41
CPT/TPA-MCM-41	Camptothecin loaded into TPA-MCM-41
MCM-48	Mobil Composition of Matter No. 48
L-arg/MCM-48	L-arginine loaded into MCM-48
Cys/MCM-48	Cysteine loaded into MCM-48
Asp/MCM-48	Aspirin loaded into MCM-48
Cap/MCM-48	Captopril loaded into MCM-48
CPT/MCM-48	Camptothecin loaded into MCM-48
TPA-MCM-41	MCM-48 functionalized by TPA
L-arg/TPA-MCM-48	L-arginine loaded into TPA-MCM-48
Cys/TPA-MCM- 48	Cysteine loaded into TPA-MCM-48
Asp/TPA-MCM-48	Aspirin loaded into TPA-MCM-48
Cap/TPA-MCM-48	Captopril loaded into TPA-MCM-48
CPT/TPA-MCM-48	Camptothecin loaded into TPA-MCM-48

Abbreviations...

TGA	Thermo Gravimetric analysis
FTIR	Fourier Transform Infrared Spectroscopy
XRD	X-ray Diffraction
TEM	Transmission Electron Microscopy
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
KPM	Korsmeyer-Peppas Model
EKM	Extended Kinetic Model
T _{max}	The amount of time that a drug is present at the maximum concentration in serum
AUC	The area under the plasma drug concentration-time curve
C _{max}	The maximum (or peak) serum concentration that a drug achieves after oral administration
LE	Loading Efficiency
