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SUPPLIMENTARY INFORMATION

Table	TS1(a):	Mathematical	equations of	models used	to describe	drug release
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Model	Mathematical equation
Zero order	$C = \frac{M_t}{M_f} = K_t$
First Order	$C = \frac{M_t}{M_f} = e^{-kt}$
Higuchi square root kinetics	$\frac{M_t}{M_f} = kt^{1/2}$
Korsmeyer and Peppas (Power Law)	$\frac{M_t}{M_f} = kt^n$

Table TS1(b): Exponent 'n' of power law and mechanism for drug release at different values

N (For sphere)	Mechanism
0.43	Fickian diffusion
0.43 <n<0.85< td=""><td>Anomalous transport(Non-fickian)</td></n<0.85<>	Anomalous transport(Non-fickian)
0.85	Case II transport



Fig S1: Calibration curves of MTX in (A)acetate buffer(pH 5.5) and (B)phosphate buffer(pH 7.4)



Fig S2: FTIR spectrum of Stearic acid, PEG-OH and PEG-stearate



Fig S3: NMR spectrum of PEG-stearate



Fig S4: FTIR spectra of MTX, MTX loaded SLNs and MTX loaded pegylated SLNs





Fig S5: In vitro Drug release profile analysis by (a)ZERO order, (b)FIRST order and (c) Korsmeyer Models at pH 5.5(red diamonds) and pH 7.4(blue dots)









Fig S6: Optimization of labeling parameters for the radiolabeling efficiency

A:Effect of Stannous Chloride concentration; B:Effect of pH; C:Effect of Temperature; D:Effect of incubation time



Fig S7: In vitro human serum stability of ^{99m}Tc-MTX and ^{99m}Tc-M-P-SLN