

# Optimization of a Cefuroxime Axetil-Loaded Liquid Self-Nanoemulsifying Drug Delivery System: Enhanced Solubility, Dissolution and Caco-2 Cell Uptake

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**Table S1.** The HPLC results of CA uptake in Caco-2 cells after 0.5 mM CA was applied ( $n = 3$ ; mean  $\pm$  SD).

CA-suspension	Time (min)	HPLC Peak Area		
		Sample 1	Sample 2	Sample 3
	60	1988	2512	2900
	120	2694	3150	3469
	180	4108	4313	4791
	240	4586	5361	5748
CA-SNEDDS-C3	Time (min)	HPLC Peak Area		
		Sample 1	Sample 2	Sample 3
	60	3150	3766	4062
	120	4290	4928	5224
	180	6728	7230	5931
	240	7708	8848	9122

**Table S2.** CA concentration ( $\mu\text{g/ml}$ ) analyzed from HPLC data after cellular uptake ( $n = 3$ ; mean  $\pm$  SD).

CA-suspension	Time (min)	CA ( $\mu\text{g/mL}$ )			Avg	STD
		Sample 1	Sample 2	Sample 3		
	60	8.6	10.9	12.6	10.70	2.01
	120	11.7	13.7	15.1	13.50	1.71
	180	17.9	18.8	20.9	19.20	1.54
	240	20	23.4	25.1	22.83	2.60
CA-SNEDDS-C3	Time (min)	CA ( $\mu\text{g/mL}$ )			Avg	STD
		Sample 1	Sample 2	Sample 3		
	60	13.7	16.4	17.7	15.93	2.04
	120	18.7	21.5	22.8	21.00	2.10
	180	29.4	31.6	25.9	28.97	2.87
	240	33.7	38.7	39.9	37.43	3.29