

Supplemental Figures and Tables

Table S1 Solubility of celecoxib Form III in buffer containing SDS at 25 °C

SDS concentration	solubility (µg/mL)
0%	1.1 ± 0.1
0.05%	1.3 ± 0.1
0.10%	1.6 ± 0.1
0.175%	1.7 ± 0.1
0.210%	4.3 ± 0.5
0.25%	14.5 ± 0.9
0.30%	40.2 ± 5.3
0.35%	59.0 ± 3.0
0.40%	92.6 ± 10.5

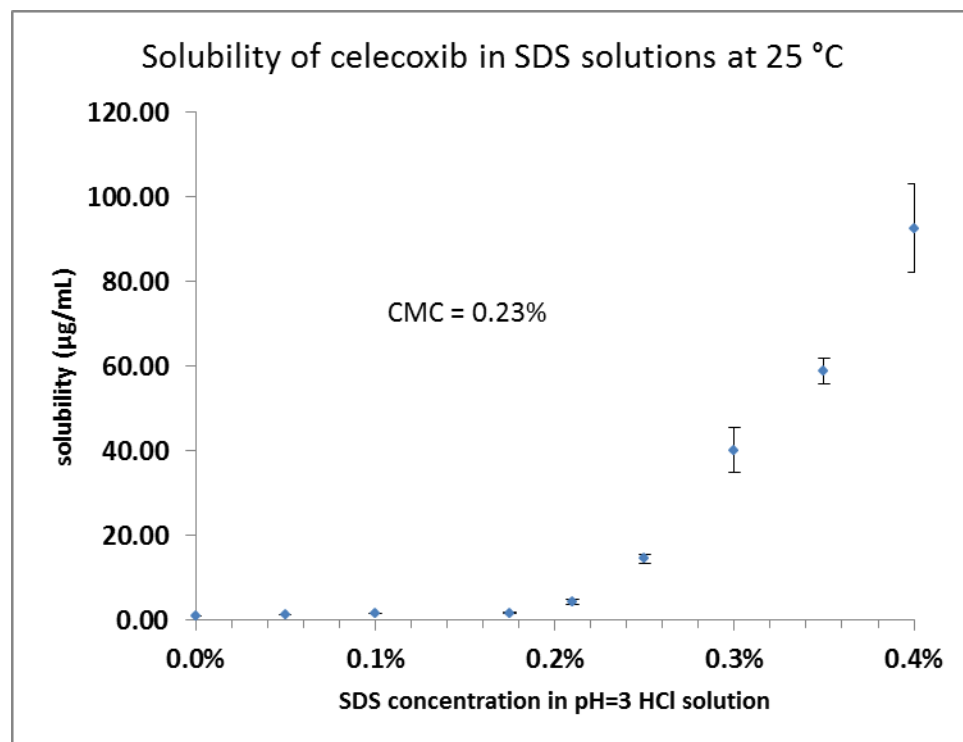


Figure S1 Solubility of celecoxib in SDS solution at 25°C

Table S2 Solubility of celecoxib Form III in buffer containing STC at 25 °C

STC concentration	solubility (µg/mL)
0.10%	1.8 ± 0.1
0.25%	2.0 ± 0.1
0.40%	2.4 ± 0.1
0.50%	2.9 ± 0.1
0.75%	5.8 ± 0.3
1.00%	10.9 ± 0.1
1.50%	26.0 ± 0.3

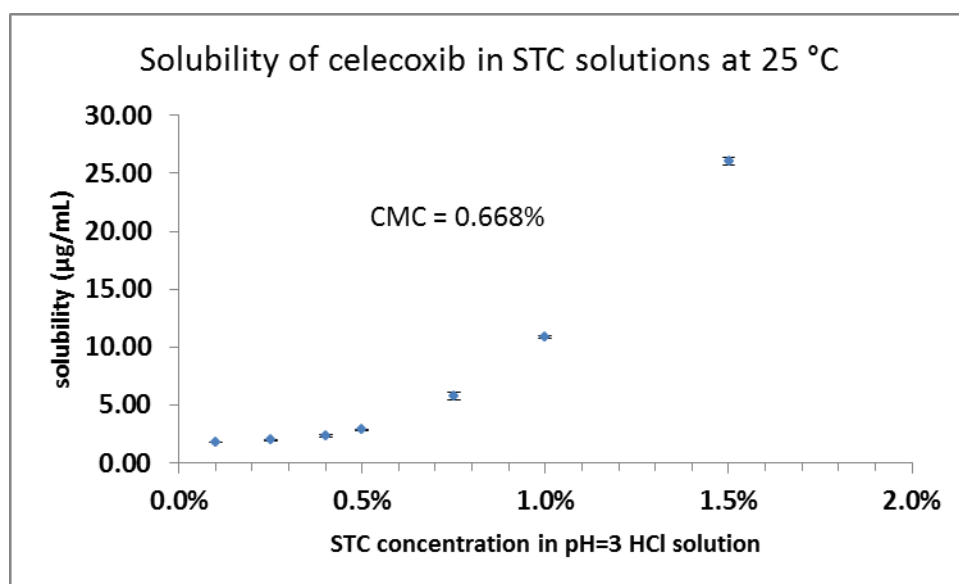


Figure S2 Solubility of celecoxib in STC solution at 25°C

Table S3 Solubility of celecoxib Form III in buffer containing Polysorbate 80 at 25 °C

Polysorbate 80 concentration	Solubility (µg/mL)
0	1.2 ± 0.1
0.0005%	1.2 ± 0.1
0.001%	1.2 ± 0.1
0.002%	1.3 ± 0.1
0.0035%	1.4 ± 0.1
0.005%	1.7 ± 0.1
0.0075%	2.1 ± 0.1
0.01%	2.6 ± 0.2
0.10%	19.0 ± 0.3
0.25%	52.2 ± 0.6
0.50%	101.0 ± 1.3
1%	198.4 ± 0.5

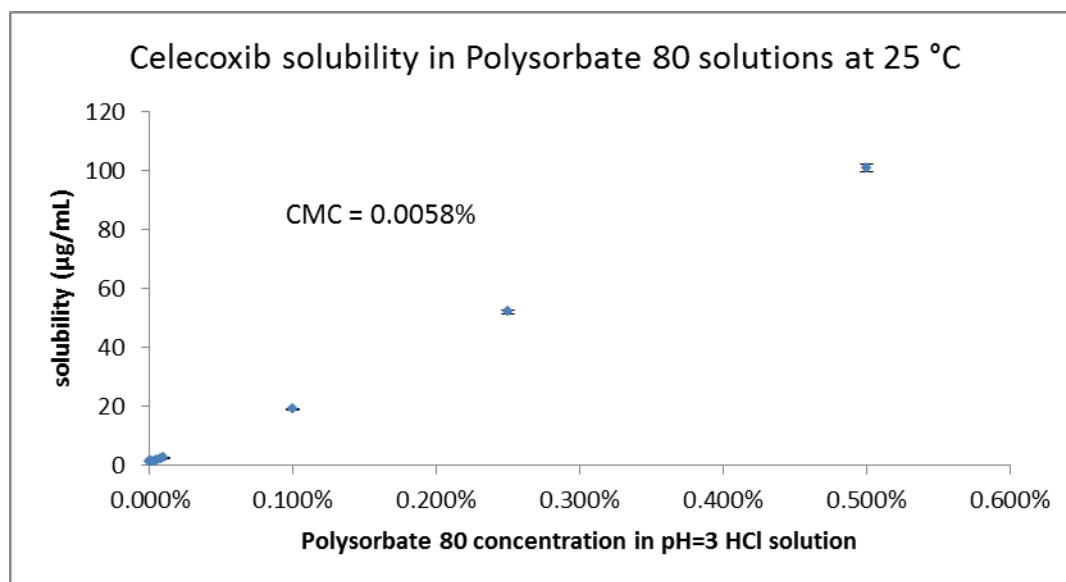


Figure S3 Solubility of celecoxib in Polysorbate 80 solution at 25°C

Table S4 Solubility of celecoxib Form III in buffer containing Triton X100 at 25 °C

Triton X 100 concetration	Solubility (µg/mL)
0	1.2 ± 0.1
0.0010%	1.3 ± 0.2
0.005%	1.2 ± 0.1
0.010%	1.2 ± 0.1
0.0150%	1.3 ± 0.1
0.025%	3.7 ± 0.3
0.05%	12.5 ± 0.1
0.10%	36.7 ± 0.7
0.15%	59.6 ± 1.6

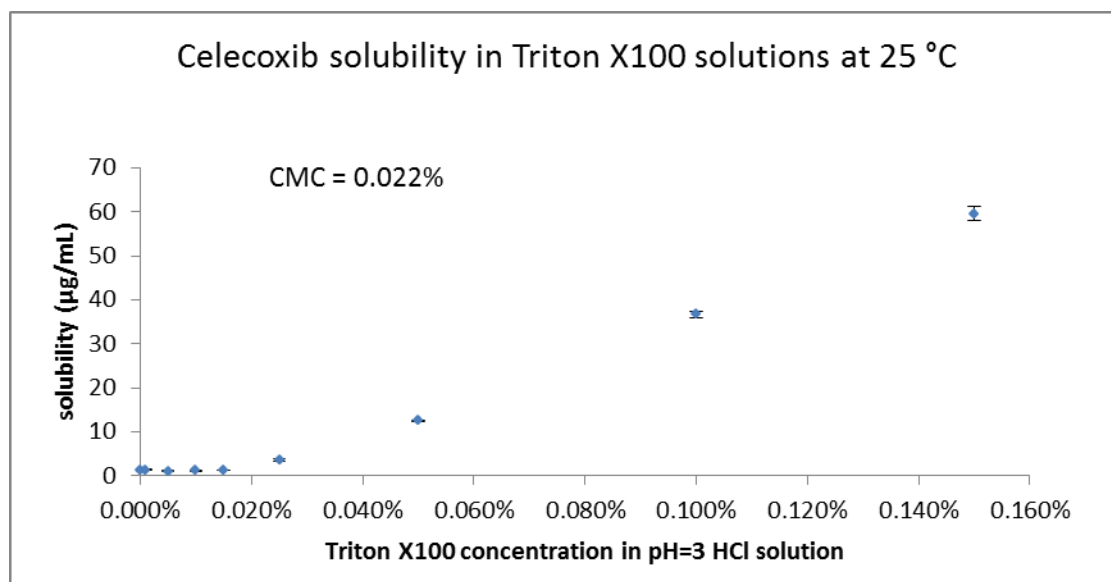


Figure S4 Solubility of celecoxib in Triton X 100 solution at 25°C

Table S5 Solubility of celecoxib Form III in buffer containing Poloxamer 188 at 25 °C

Poloxamer Concentration	Solubility (µg/mL)
0.002%	1.4 ± 0.1
0.01%	1.4 ± 0.1
0.02%	1.4 ± 0.1
0.05%	1.4 ± 0.1
0.10%	1.4 ± 0.1
0.20%	1.5 ± 0.1
0.30%	1.6 ± 0.2
0.50%	1.8 ± 0.2
2%	1.9 ± 0.1
3%	2.5 ± 0.1

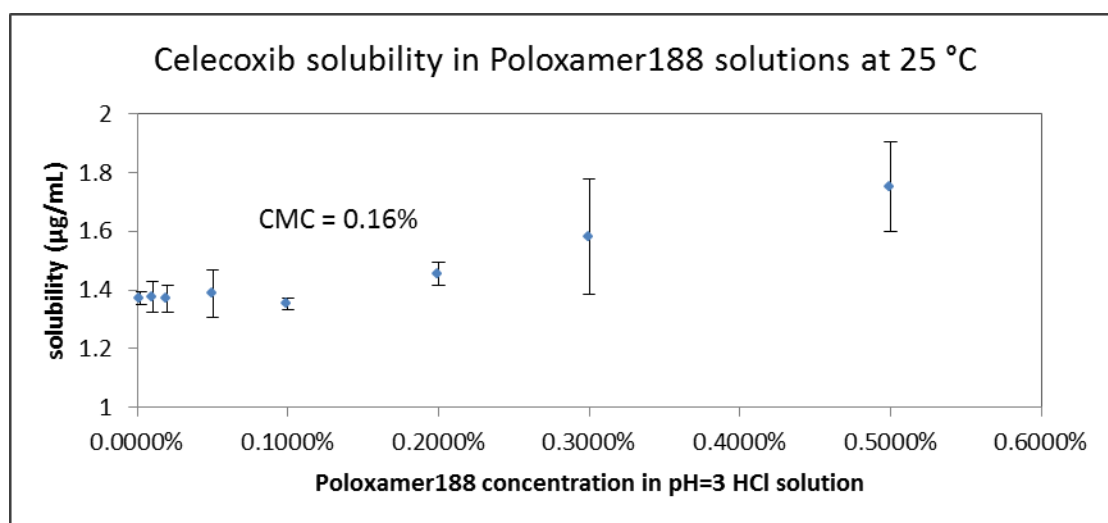


Figure S5 Solubility of celecoxib in Poloxamer 188 solution at 25°C