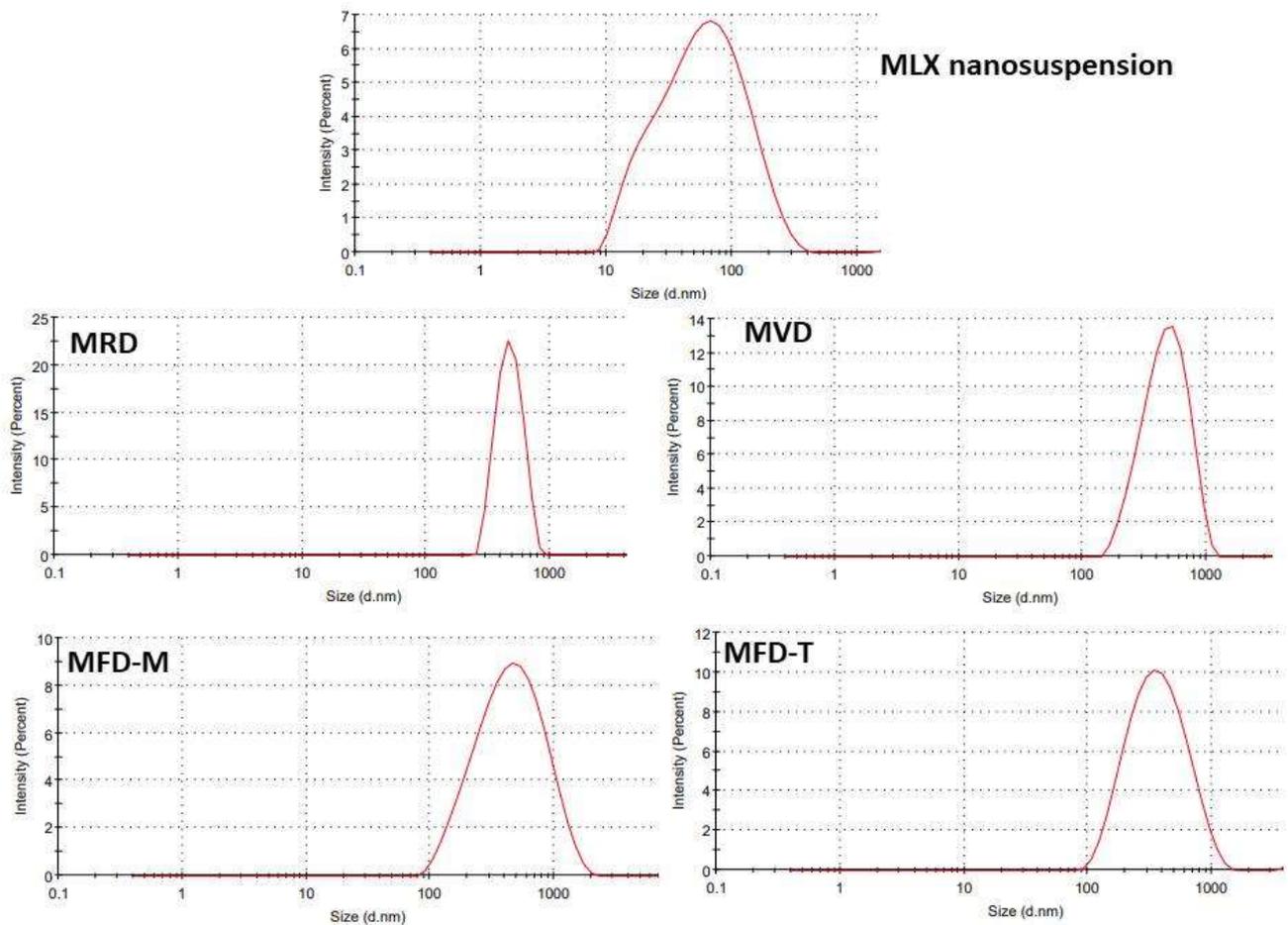
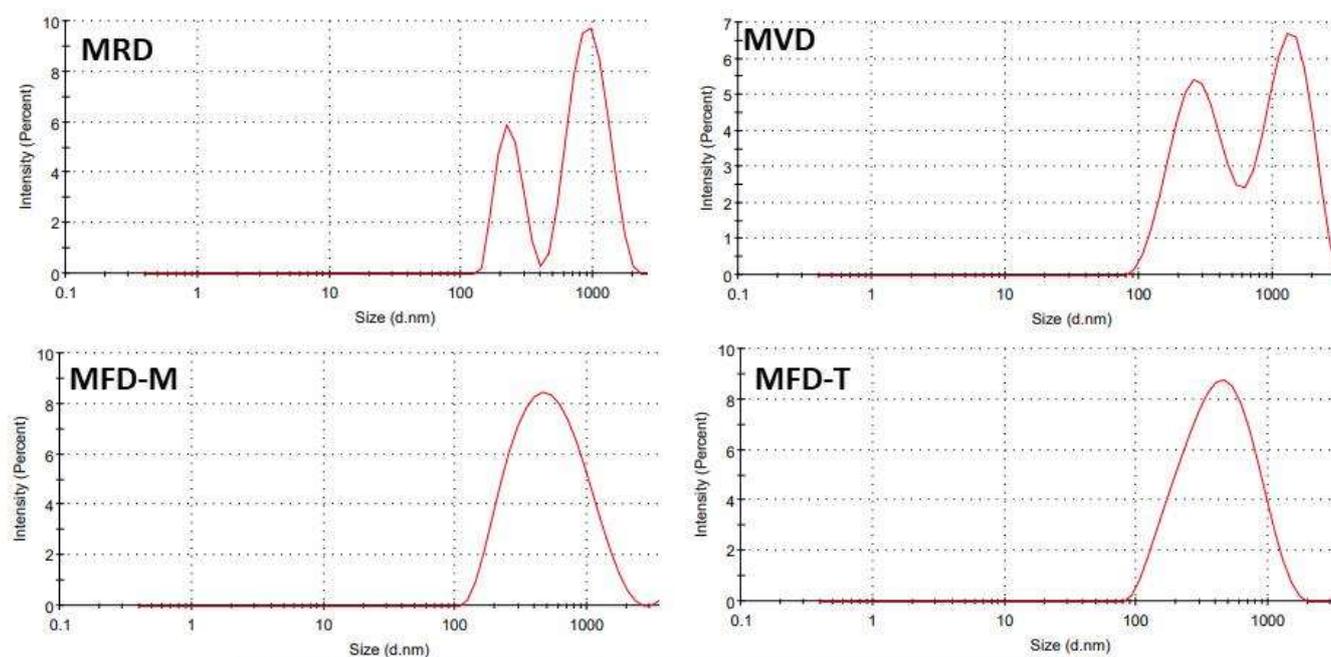


# Supplementary Materials: Smartcrystals for Efficient Dissolution of Poorly Water-Soluble Meloxicam

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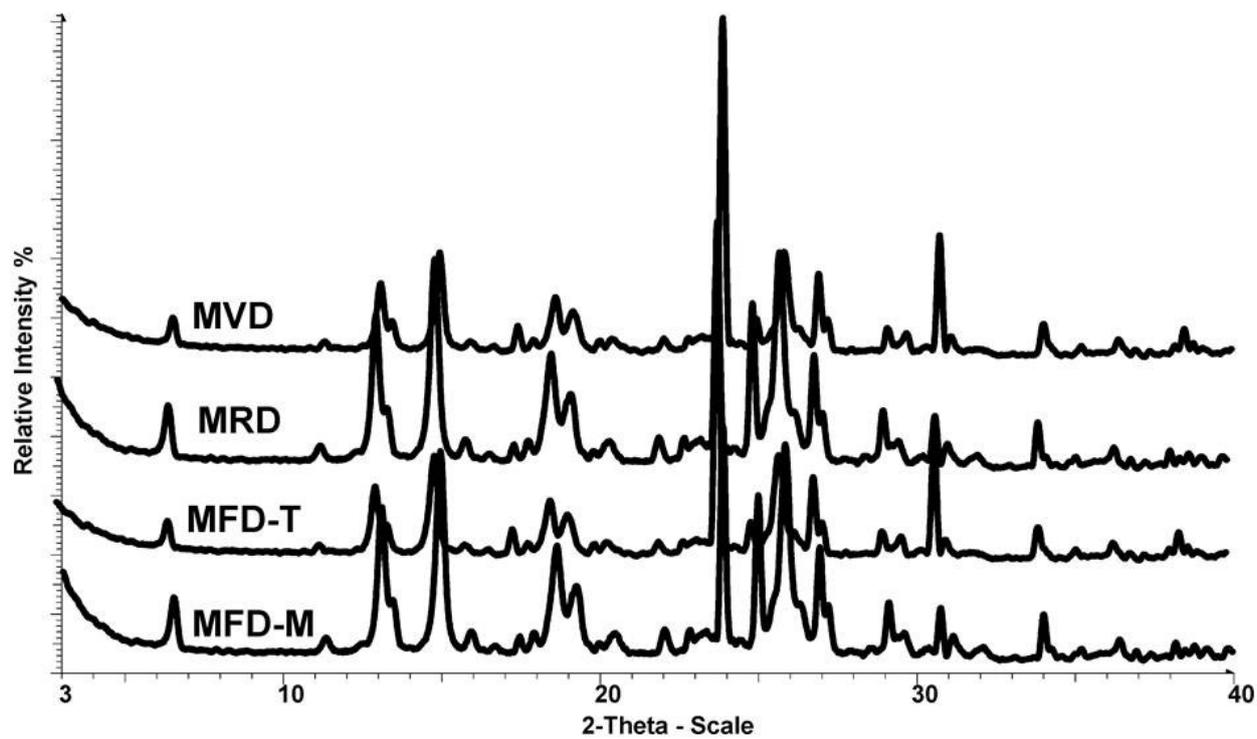


**Figure S1.** MPS of MLX nanocrystals after redistribution in water.



MPS, ZP and PDI of MLX nanocrystals after redistribution in water (1 month storage)		
Sample	MPS (nm)	ZP
MRD	804.9 ± 32.12	-12.6
MVD	653 ± 17.21	-16.8
MFD-M	445.57 ± 12.56	-18.6
MFD-T	357.42 ± 2.47	-22.9

**Figure S2.** MPS, ZP and PDI of MLX nanocrystals after redistribution in water (1-month storage).



**Figure S3.** XRPD patterns of the samples after dissolution to recrystallized the samples from the media.