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SUPPLEMENTARY MATERIAL

Analysis of terbinafine in PLGA-based drug delivery systems by a fast and sensitive UHPLC-DAD method

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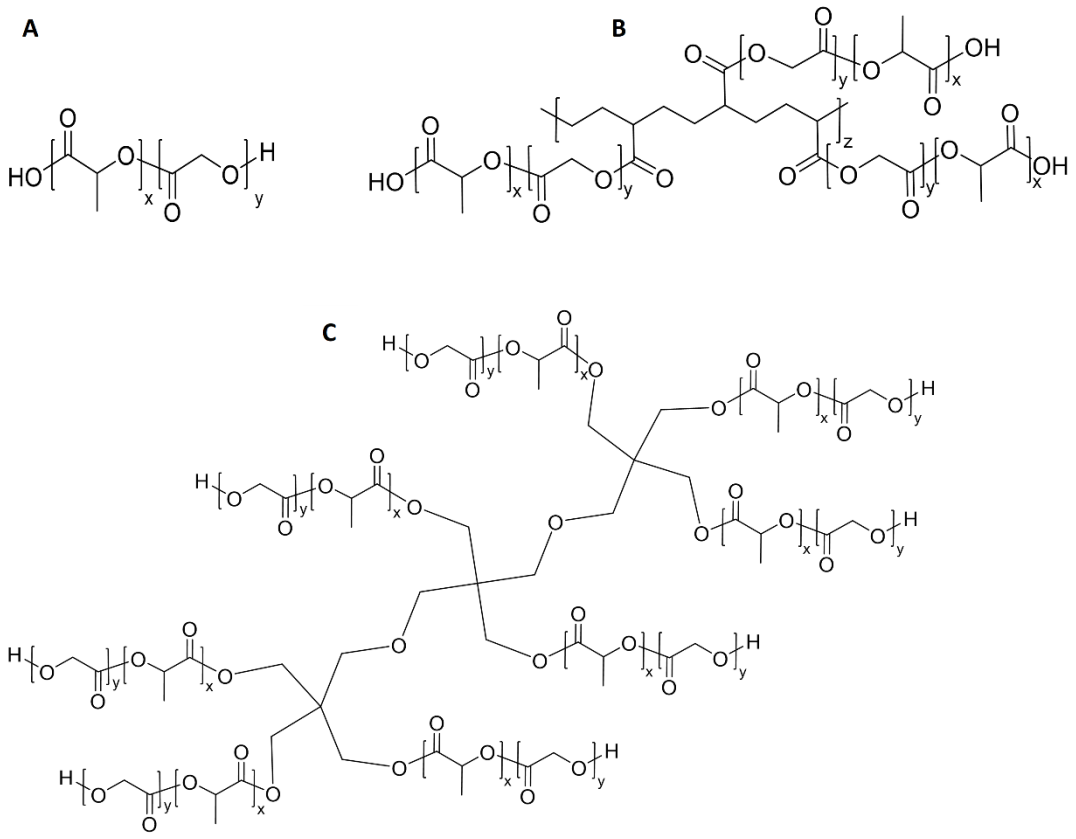

Figure S1 Chemical structure of poly(D,L-lactic-co-glycolic acid) (PLGA) (A), PLGA branched on polyacrylic acid (PLGA/A) (B), and on tripentaerythritol (PLGA/T) (C)

Table S1. Molar mass averages, intrinsic viscosity, and branching ratio for branched PLGA.

Sample designation	M_n (g/mol)	M_w (g/mol)	$[\eta]_w$ (mL/g)	$g'(M_w)$	T_g (°C)
PLGA/T	5,300	17,400	7.7	0.43	27.6
PLGA/A	8,600	14,400	8.9	0.54	32.8

PLGA branched on tripentaerythritol (PLGA/T) and polyacrylic acid molar weight of 2,000 g·mol^{-1} (PLGA/A). Mn number average molar mass; Mw weight average molar mass; [η] w intrinsic viscosity; g' branching ratio; Tg glass transition temperature.

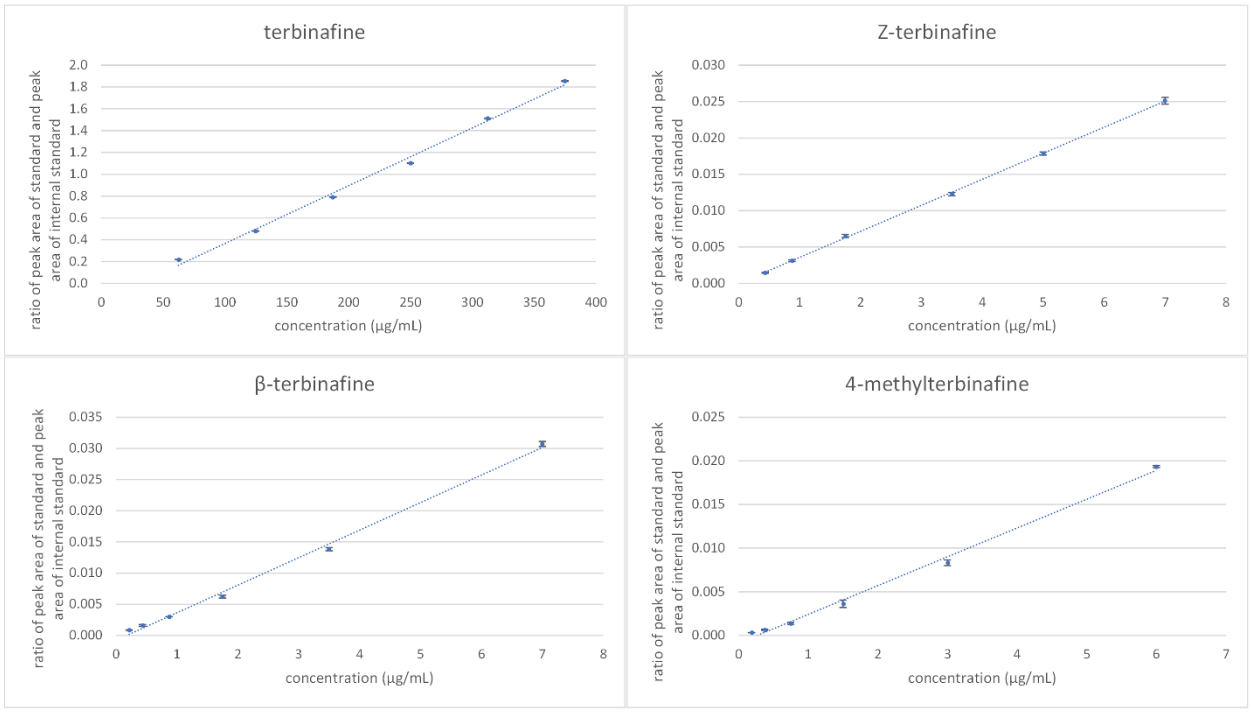

Figure S2 The linear relationship graphs for terbinafine, Z-terbinafine, β-terbinafine, and 4-methylterbinafine