

Erratum

Zheng, X., Yang, R., Tang, X., & Zheng, L. (2007) Part I: Characterization of Solid Dispersions of Nimodipine Prepared by Hot-Melt Extrusion. *Drug Development and Industrial Pharmacy*, 33, 791–802.

Drug Development and Industrial Pharmacy hereby notifies its readers that some tables and figures printed previously do not accurately reflect research for the article listed above. The article published with errors and consequently, must be considered incorrect. The corrected items are published here.

TABLE 1
Melting Endotherm and Glass Transition Temperatures for NMD, Polymers, Physical Mixtures and Extrudates

Formulations	Melting Temperature in Physical Mixtures (°C)	ΔH of NMD in Physical Mixtures (J/g)	T_g in Hot-Melt Extrudates (°C)	T_g Calculated by Gordon - Taylor Equation(°C)
NMD System (% NMD)				
100%	130.3	92.6	15.9	
NMD-EPO Systems (% NMD)				
50%	129.8	48.8	18.3	22.1
30%	128.8	32.4	19.3	28.3
10%	128.2	10.9	29.7	37.9
EPO	—	—	43.9	—
NMD-HPMC Systems (% NMD)				
50%	130.0	48.7	24.7, 150.3	24.7
30%	129.6	32.0	25.5, 152.7	37.1
10%	128.5	10.0	154.9	74.5
HPMC	—	—	158	—
NMD-PVP/VA Systems (% NMD)				
50%	129.1	47.1	48.8	25.1
30%	128.3	31.5	74.8	36.8
10%	127.5	11.0	101.7	66.6
PVP/VA	—	—	110.6	—

TABLE 2
Solubility Data for NMD Water-Carrier Systems at pH 4.5 Acetate Buffers Containing 0.05% SDS at 37°C.

Polymer	NMD Concentration (w/w)			
	10%	30%	50%	100%
PVP/VA	99.81	78.94	69.69	5.32
Eudragit® EPO	15.76	15.83	13.81	5.32
HPMC	15.32	17.95	16.98	5.32

TABLE 3
Calculated Solubility Parameters of Drug and Polymers

Compound	Solubility Parameter δ_t (MPa ^{1/2})	Difference $\Delta\delta_t$ (MPa ^{1/2})
NMD	20.7	—
HPMC	22.4	1.7
Eudragit® EPO	18.9	1.8
PVP/VA	22.7	2

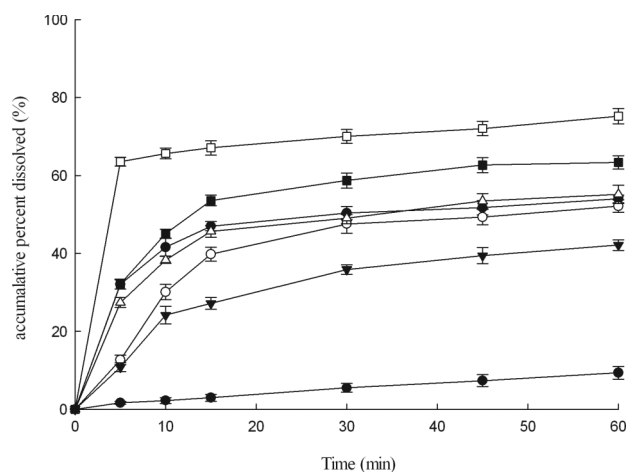


FIGURE 9. Dissolution profiles of NMD-HPMC systems in pH 4.5 acetate buffer containing 0.05% (w/v) of SDS. (■) 10% NMD SD (□) 30% NMD SD (△) 50% NMD SD (◆) 50% NMD PM (○) 30% NMD PM (▼) 10% NMD PM (●) pure NMD ($M \pm SD$, $n = 3$).

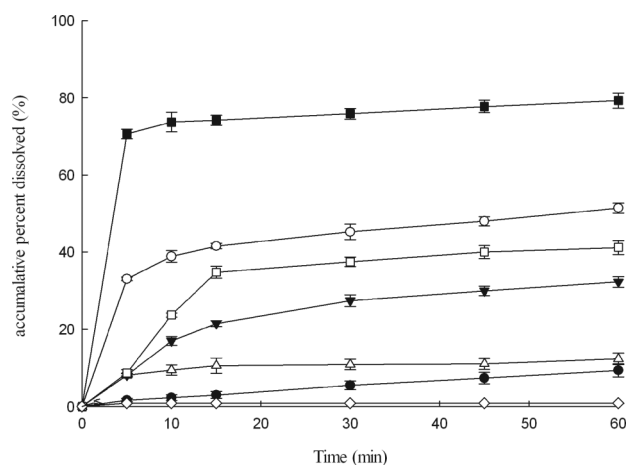


FIGURE 10. Dissolution profiles of NMD-Eudragit® EPO systems in pH 4.5 acetate buffer containing 0.05% (w/v) of SDS. (□) 30% NMD SD (◇) 10% NMD SD (■) 50% NMD SD (○) 50% NMD PM (▼) 30% NMD PM (△) 10% NMD PM (●) pure NMD ($M \pm SD$, $n = 3$).

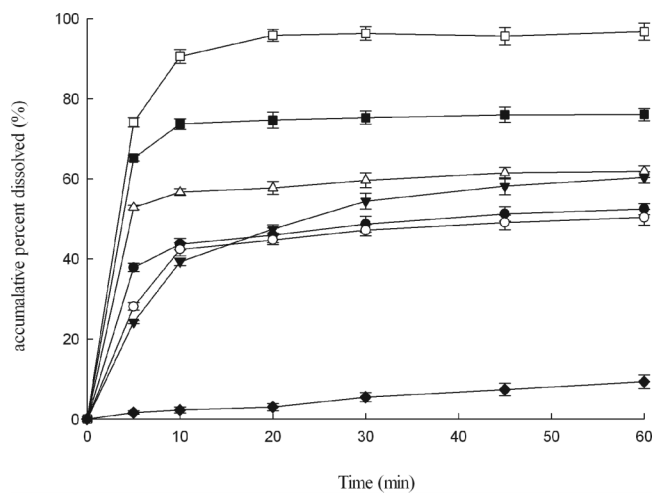


FIGURE 11. Dissolution profiles of NMD-PVP/VA systems in pH 4.5 acetate buffer containing 0.05% (w/v) of SDS. (△) 50% NMD SD (■) 30% NMD SD (□) 10% NMD SD (●) 50% NMD PM (○) 30% NMD PM (▼) 10% NMD PM (◆) pure NMD ($M \pm SD$, $n = 3$).

Copyright of Drug Development & Industrial Pharmacy is the property of Taylor & Francis Ltd and its content may not be copied or emailed to multiple sites or posted to a listserv without the copyright holder's express written permission. However, users may print, download, or email articles for individual use.