

Figure S1: Peaks overlap of NMV and RIT using CZE and 50 mM phosphate buffer pH 7.



Figure S2: Electropherogram representing the effect of diluting solvent using 10% methanol.



Figure (S4): UV spectra of NMV and RIT using the proposed HPLC method.



Figure (S5): The purity plot for NMV and RIT peaks in MEKC and HPLC methods.



Figure (S6). MEKC electropherograms of 100 μg/mL of NMV and RIT after different stress conditions: alkaline degradation (0.1 M NaOH, 70 °C, ½ h), a), acidic degradation (1 M HCl, 70 °C, 1 h), b), neutral degradation (H₂O, 70 °C, 1 h), c), oxidative degradation (30% H₂O₂, 70 °C, ½ h), d), photo-degradation (day light, 4 h), e).



Figure (S7): The purity plot for NMV peaks using alkaline, a) and acidic degradation conditions, b), and RIT peaks using alkaline, c) and acidic degradation conditions, d), in MEKC method.



Figure (S8): The purity plot for NMV peaks using alkaline, a) and acidic degradation conditions, b), and RIT peaks using alkaline, c) and acidic degradation conditions, d), in HPLC method.

		MEKC		HPLC								
Analyte	Nominal value (ug/mL)	Found ± SD ^a (µg/mL)	RSD(%) ^b	E _r (%) ^c	Nominal value (µg/mL)	Found ± SD ^a (µg/mL)	RSD(%) ^b	E _r (%) ^c				
	Within-day											
NMV	10	9.93±0.14	1.41	-0.70	10	9.90±0.17	1.72	-0.97				
	50	$50.26{\pm}~0.37$	0.74	0.52	50	49.99±0.33	0.66	-0.01				
	100	100.10 ± 0.24	0.24	0.10	100	$99.98{\pm}0.40$	0.4	-0.02				
	Between-days											
	10	10.18 ± 0.14	1.38	1.77	10	9.96±0.19	1.86	-0.43				
	50	50.30 ± 0.25	0.50	0.60	50	49.72±0.88	1.77	-0.55				
	100	100.18 ± 0.31	0.31	0.18	100	99.71±0.91	0.91	-0.29				
RIT	Within-day											
	10	10.19 ± 0.06	0.59	1.90	10	10.00±0.12	1.15	0.00				
	50	50.06 ± 0.85	1.70	0.12	50	49.61±0.72	1.44	-0.77				
	100	100.32 ± 0.13	0.13	0.32	100	99.48 ± 0.80	0.80	-0.52				
	Between-days											
	10	10.16 ± 0.06	0.59	1.60	10	9.93±0.18	1.85	-0.67				
	50	49.69 ± 0.56	1.13	-0.62	50	50.10 ± 0.50	1.00	0.21				
	100	100.02 ± 0.29	0.29	0.02	100	99.47±0.79	0.79	-0.53				

Table (1S):Precision and accuracy for determination of NMV and RIT mixture using the
proposed MEKC and HPLC methods.

	МЕКС											
		NMV	RIT									
Parameter	Peak area ± SD	RSD%	Migration time ± SD	RSD%	Peak area ± SD	RSD%	Migration time ± SD	RSD%				
Buffer concentration 50 ± 2 mM	$\begin{array}{c} 40.55 \pm \\ 0.13 \end{array}$	0.32	4.51 ± 0.08	1.77	$\begin{array}{c} 89.93 \pm \\ 0.38 \end{array}$	0.42	6.30 ± 0.10	1.58				
Buffer pH 9.2 ± 0.2 pH unit	$\begin{array}{c} 40.91 \pm \\ 0.33 \end{array}$	0.8	4.54 ± 0.05	1.10	$\begin{array}{c} 90.07 \pm \\ 0.90 \end{array}$	1.00	6.34 ± 0.12	1.89				
SDS concentration 25 ± 2 mM	$\begin{array}{c} 40.66 \pm \\ 0.10 \end{array}$	0.25	4.47 ± 0.06	1.34	89.8 ± 0.26	0.29	6.27 ± 0.01	0.16				
Wavelength 210 ± 2 nm	40.63± 0.08	0.20			90.2 ±0.10	0.11						
	HPLC											
		NMV	RIT									
Parameter	Peak area ± SD	RSD%	Retention time ± SD	RSD%	Peak area ± SD	RSD%	Retention time ± SD	RSD%				
Buffer concentration 50 ± 2 mM	2312±0.41	0.02	3.89 ± 0.06	0.15	4827 ±0.56	0.01	$6.29\pm\!\!0.23$	0.35				
Buffer pH 5 ± 0.2 pH unit	2330±0.59	0.03	3.90 ± 0.10	0.03	4878 ±0.94	0.02	6.25 ±0.04	0.06				
Flow rate 1 ± 0.05 mL	2299±0.18	0.01	3.89 ± 0.08	0.20	4799 ±1.12	0.02	6.31 ±0.41	0.61				
Wavelength $210 \pm 2 \text{ nm}$	2305±0.33	0.01			4853 ±1.07	0.02						

Table (2S):Robustness evaluation for the analysis of NMV and RIT mixture using the proposedMEKC and HPLC methods.

* Robustness parameters were determined for a mixture containing 100 μ g/mL of NMV and RIT for MEKC and HPLC.



Figure S9: MEKC electropherogram of NMV and RIT extracted from the tablets at concentration 150 and 50 μ g/mL, respectively.



Figure S10: HPLC chromatogram of NMV and RIT extracted from the tablets at concentration 150 and 50 μ g/mL, respectively.