

Natural Colorants Induce the Drug Release from Fast Dissolving Tablets

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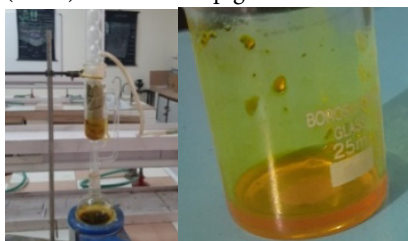
Supplementery info

A



(1) (2) (3) (4) (5)
1. *Opuntia ficus-indica* fruit, 2. Sliced, grinded and soaked in ethanol, (3) Centrifugation, (4 & 5) Freeze dried pigment

B

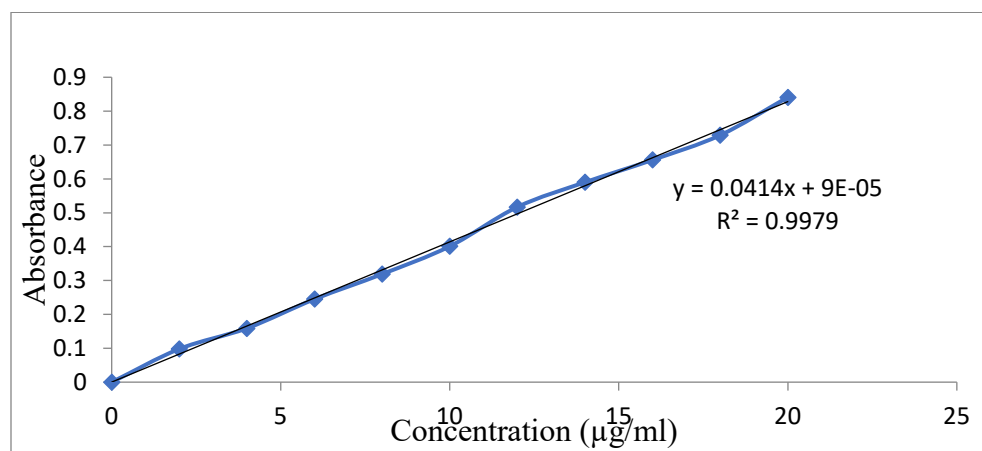


(1) (2)
1. Soxhlet extraction of flowers with methanol, 3. Pigment

Supp Figure 1. Extraction of pigments; (A) *Opuntia ficus-indica* fruit, (B) *Nyctanthes arbor-tristis* flowers

Supp Table 1. Calibration curve data of 5-Fluorouracil in phosphate buffer pH 7 at 266 nm

Concentration (µg/ml)	Absorbance
X	Y
0	0
2	0.098
4	0.159
6	0.245
8	0.319
10	0.401
12	0.517
14	0.59
16	0.656
18	0.729
20	0.841



Supp Figure 2. Calibration curve of 5-Fluorouracil in phosphate buffer (pH 7) at 266 nm

Supp Table 2. ANOVA test

Anova: Single Factor				
SUMMARY				
Groups	Count	Sum	Average	Variance
FDT1	9	507.67	56.40778	725.4563
FDT2	9	499.8	55.53333	731.6455
FDT3	9	486.07	54.00778	728.7653
FDT4	9	562.27	62.47444	687.8413
FDT5	9	554.07	61.56333	696.9465
FDT6	9	500.62	55.62444	705.5503
FDT7	9	543.98	60.44222	705.5403
FDT8	9	525.73	58.41444	710.4063

FDT9	9	519.68	57.74222	721.781		
FDT10	9	535.39	59.48778	710.4684		
FDT11	9	527.79	58.64333	711.5272		
FDT12	9	518.81	57.64556	717.952		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	643.9092	11	58.5372	0.08212	0.999963	1.8898
Within Groups	68431.04	96	712.8234			
Total	69074.95	107				