

Type - Research Paper

Nanoemulsion Containing Synergistic Combination of Curcumin and Quercetin for Nose to Brain Delivery: *In Vitro* and *In Vivo* Studies

Hitendra S Mahajan*, Nayana D Patil

R.C.Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist-Dhule (M.S), India

Suppl. Table 1. Independent variables and dependent variables.

Formulation No	Surfactant concentration Tween 20 (mL) (X ₁)	Speed of homogenizer (rpm) (X ₂)	Droplet size (nm) (Y ₁)	% Curcumin content (%) (Y ₂)	% Quercetin content (%) (Y ₃)
F1	10.00	17 071.67	89.9	4.23	2.55
F2	17.07	10 000	128.5	25.85	62.58
F3	10.00	10 000	78.7	28.07	20.81
F4	5.00	5 000	185.9	13.09	13.74
F5	10.00	2 928.93	133.3	18.55	19.09
F6	2.93	10 000	194.3	49.66	86.9
F7	15.00	15 000	54.52	3.68	9.69
F8	5.00	15 000	178.3	55.64	55.26
F9	15.00	5 000	93.0	42.44	55.15