

Supplementary Materials: Evaluation of Skin Permeation and Retention of Topical Dapsone in Murine Cutaneous Leishmaniasis Lesions

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Table S1. Stability studies for DAP cream over a period of 60 days at different temperatures.

DAP cream	15 days			30 days			45 days			60 days		
	4 °C	25 °C	40 °C	4 °C	25 °C	40 °C	4 °C	25 °C	40 °C	4 °C	25 °C	40 °C
pH	6.97	7.10	6.80	6.99	7.06	6.85	7.05	7.02	6.78	7.08	7.15	6.68
Spreadability (cm)	-			-			-			0.66	0.69	0.72
Colour	Opaque white			Opaque white			Opaque white			Opaque white		
Organoleptic properties	Smooth, high consistency, odourless			Smooth, high consistency, odourless			Smooth, high consistency, odourless			Smooth, high consistency, odourless		
Phase separation	No			No			No			No		
Drug precipitation	-			-			-			-		
Gravitational stability	√			√			√			√		

Table S2. Stability studies for DAP PLE over a period of 60 days at different temperatures.

DAP PLE	15 days			30 days			45 days			60 days		
	4 °C	25 °C	40 °C	4 °C	25 °C	40 °C	4 °C	25 °C	40 °C	4 °C	25 °C	40 °C
pH	4.80	4.31	3.74	4.85	3.97	3.78	4.81	3.88	3.46	4.88	3.67	3.55
Spreadability (cm)	-			-			-			1.95	3.27	-
Colour	Beige	Yellow w	Beige	Yellow	Beige	Brown	Beige	Brown	Beige	Brown	Beige	Brown
Organoleptic properties	Soft, greasy, fluid, characteristic odour			Soft, greasy, fluid, characteristic odour			Soft, greasy, fluid, characteristic odour			Soft, greasy, fluid, characteristic odour		
Phase separation	No			No	Yes	No	Yes	No	Yes	No	Yes	No
Drug precipitation	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Gravitational stability	X			X			X			X		