



A new herbal formulation with demonstrated clinical efficacy and safety in promoting weight loss

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Abstract LI85008F is novel, proprietary herbal blend, developed by screening over 2,000 botanicals (1). It contains extracts of *Moringa oleifera* and *Murraya koenigii* leaves plus extract of *Curcuma longa* root. Weight loss efficacy of LI85008F was first demonstrated in obese adults (2) and has now been re-evaluated in healthy overweight adults via a 16-week randomized, double-blind, placebo-controlled clinical study (3). Its effectiveness in weight loss in combination with diet and exercise, suggests this herbal blend could play an important role in helping to manage weight. Given the impact of the obesity epidemic on human health, identifying effective weight loss options is critical.

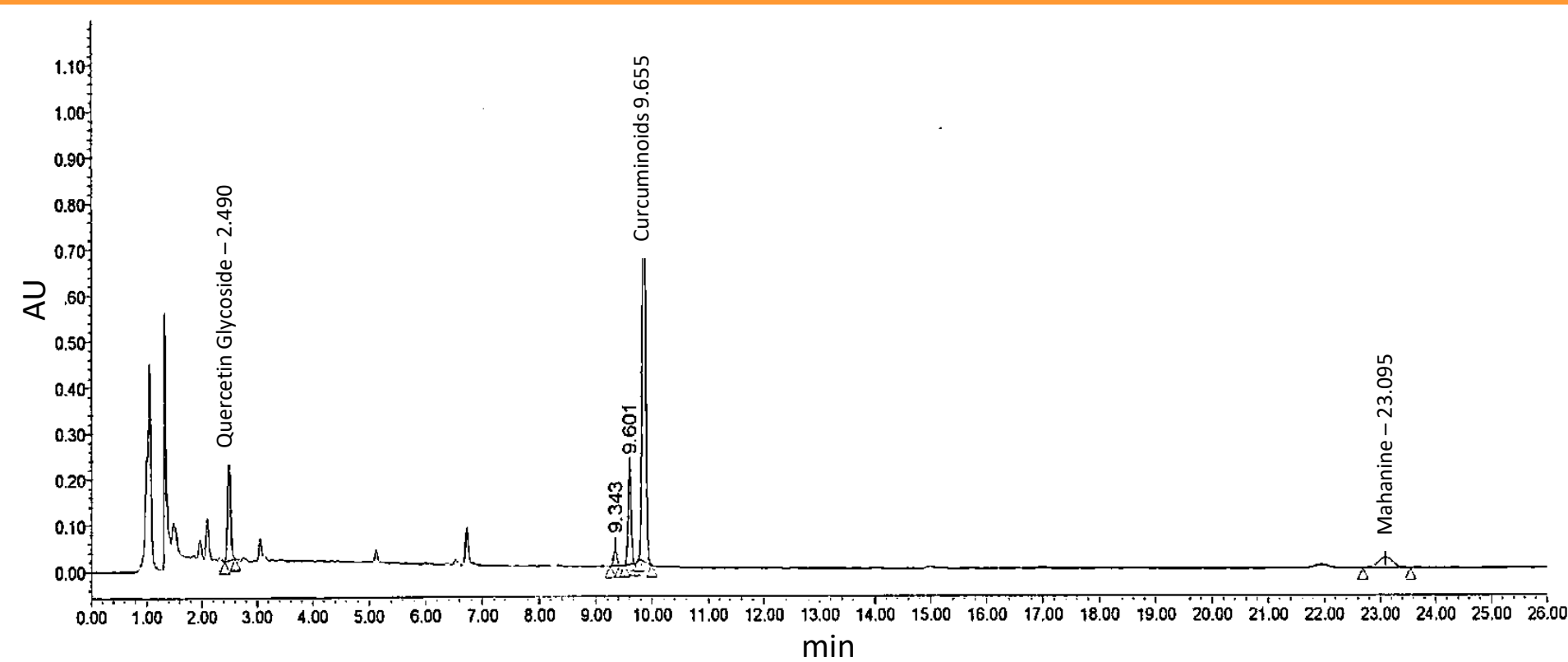
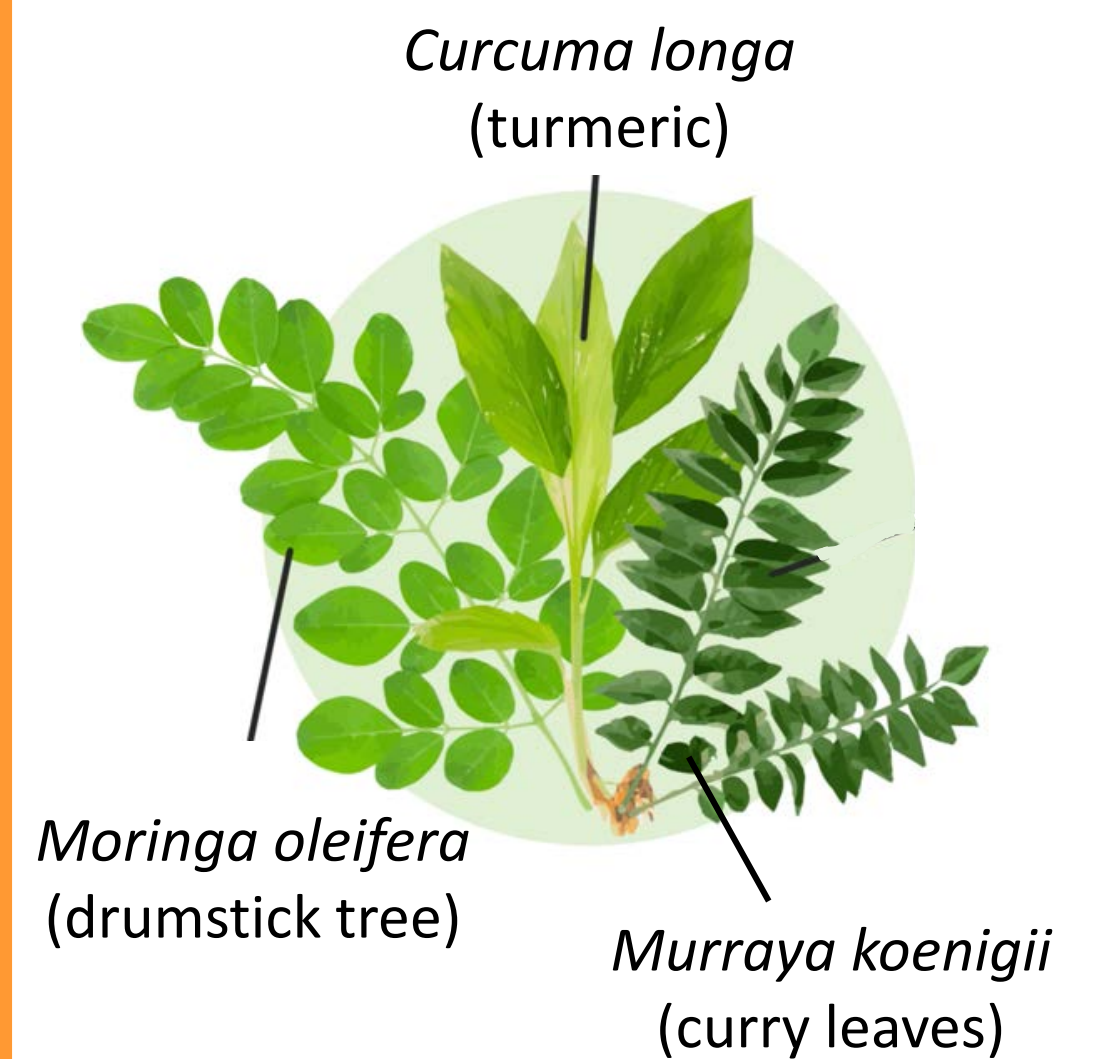


Fig 1. High-performance liquid chromatography (HPLC) chromatogram, showing the major components of LI85008F. Total Curcuminoids, Mahanine and Quercetin 3-O-glycoside have been identified at 254 nm. Results are plotted in arbitrary units (AU) vs elution time (min).

Methods Overweight participants (n=140, Body mass index 27 to 29.9 kg/m², 29.3% male, ages 21-50 years) were randomized into placebo (n = 70) and LI85008F (n = 70) groups. The participants received either 900 mg/day of LI85008F in two divided doses or two identical placebo capsules. *In addition*, participants were counseled to follow approximately 1800 kcal/day **diet** and to engage in **walking** for 30 min, 5 days/week throughout the study.

Results At the end of the trial period, the LI85008F supplemented group showed significant reductions in body weight (5.36±1.769 vs. 0.87±1.381kg; p<0.0001) and BMI (2.05±0.693 vs. 0.34 ±0.559 kg/m²; p<0.0001), compared with placebo. Significant reductions in waist and hip circumferences, and a 2.08-fold reduction of waist/hip ratio, were noted in the LI85008F supplemented group. LI85008F supplementation also resulted in significant improvements in lipid profiles, compared with the placebo; LDL cholesterol decreased, while HDL cholesterol increased, resulting in a significantly improved LDL/HDL ratio. No major adverse events were reported by the participants during the study.

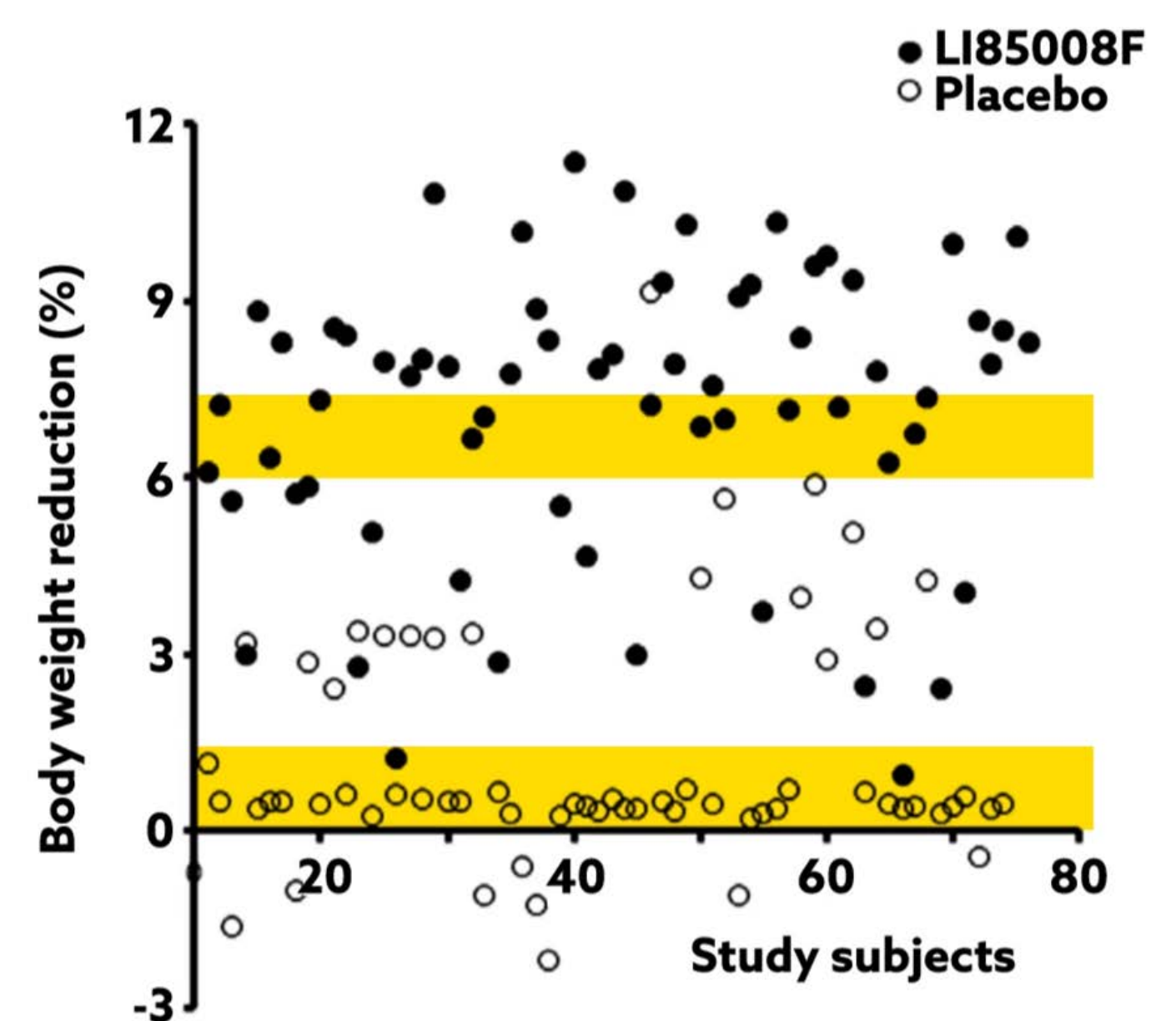


Fig 2. Scatter diagram presents body weight reduction of participants in supplemented and placebo groups at week 16

Table 1. Weight reduction from baseline through week 16

Parameter	Week	LI85008F (n=66)	Placebo (n=64)	P value
Body weight (kg)	2	0.67 + 0.37	0.19 + 0.31	<0.0001
	4	1.69 + 0.71	0.27 + 0.42	<0.0001
	8	2.77 + 0.96	0.48 + 0.61	<0.0001
	12	4.03 + 1.30	0.67 + 1.11	<0.0001
	16	5.36 + 1.77	0.87 + 1.38	<0.0001

Conclusions Together with previous work, this study established the herbal extract blend, LI85008F, combined with modest calorie restriction and physical activity, is well-tolerated, safe, and effective for weight management in overweight men and women.

Citations

1. Sengupta K, Goakoti T, Chirravuri VK & Marasetti AK. Food & Nutrition Sciences 2011(2):809-817.
2. Sengupta K, Mishra AT, Rao, MK, et al. Lipids in Health & Disease 2012 (11):122-132.
3. Dixit K, Kamath DV, Alluri KV & Davis BA. Diabetes, Obesity & Metabolism 2018: 20(11):2633-2641.

