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(54) Title: PARAXANTHINE-BASED CAFFEINE SUBSTITUTE COMPOSITIONS AND METHOD OF USE THEREOF IN
SLOW CAFFEINE METABOLIZERS

(57) Abstract: The disclosed compositions methods relate to a dietary supplement for subjects with slow caffeine metabolism and
comprises paraxanthine and optionally other compounds that modulate the effects of paraxanthine. Uses for the paraxanthine-contain-
ing supplements contain improvement of at least one of endurance performance, mood, vigor, lipolysis, energy expenditure, exercise
performance, and/or decreased appetite in a slow caffeine metabolizer subject.

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