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(54) **Title**: METHODS OF THERAPEUTIC MONITORING OF PHENYLACETIC ACID PRODRUGS

(57) **Abstract**: The present disclosure provides methods for adjusting the dosage of PAA prodrugs (e.g., HPN-100, PBA) based on measurement of PAA and PAGN in plasma and calculating the PAA:PAGN ratio so as to determine whether PAA to PAGN conversion is saturated.