

Article's title:

An Inducible Cytochrome P450 3A4-dependent Vitamin D Catabolic Pathway

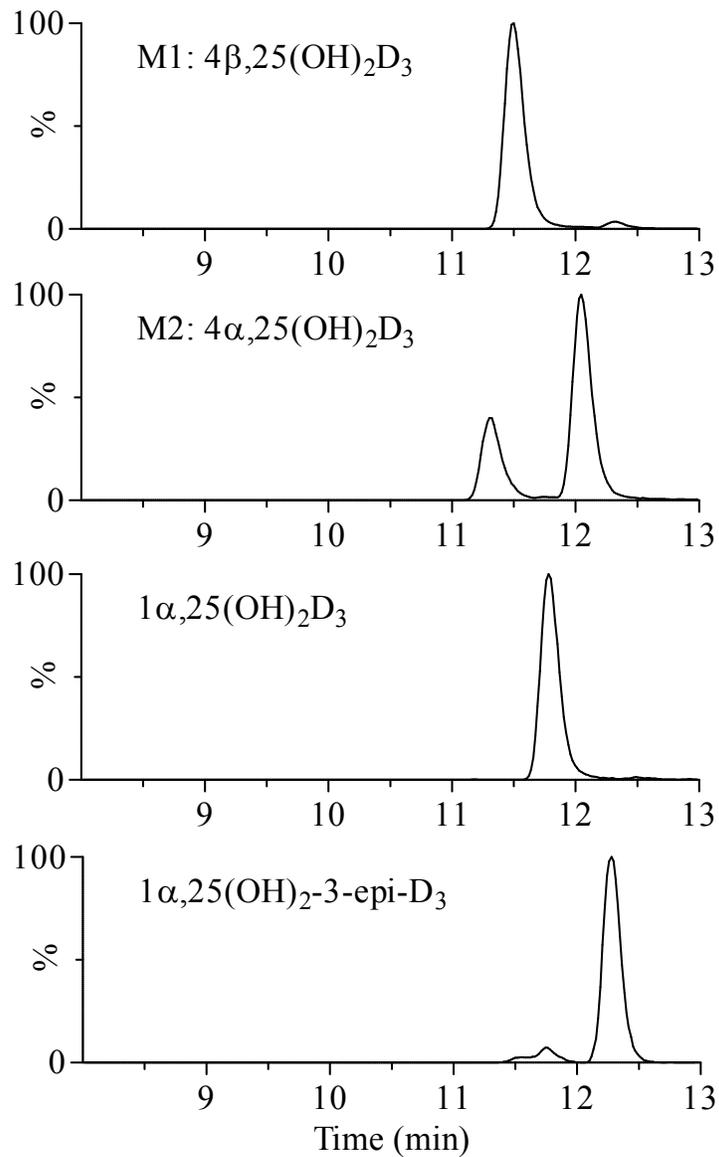
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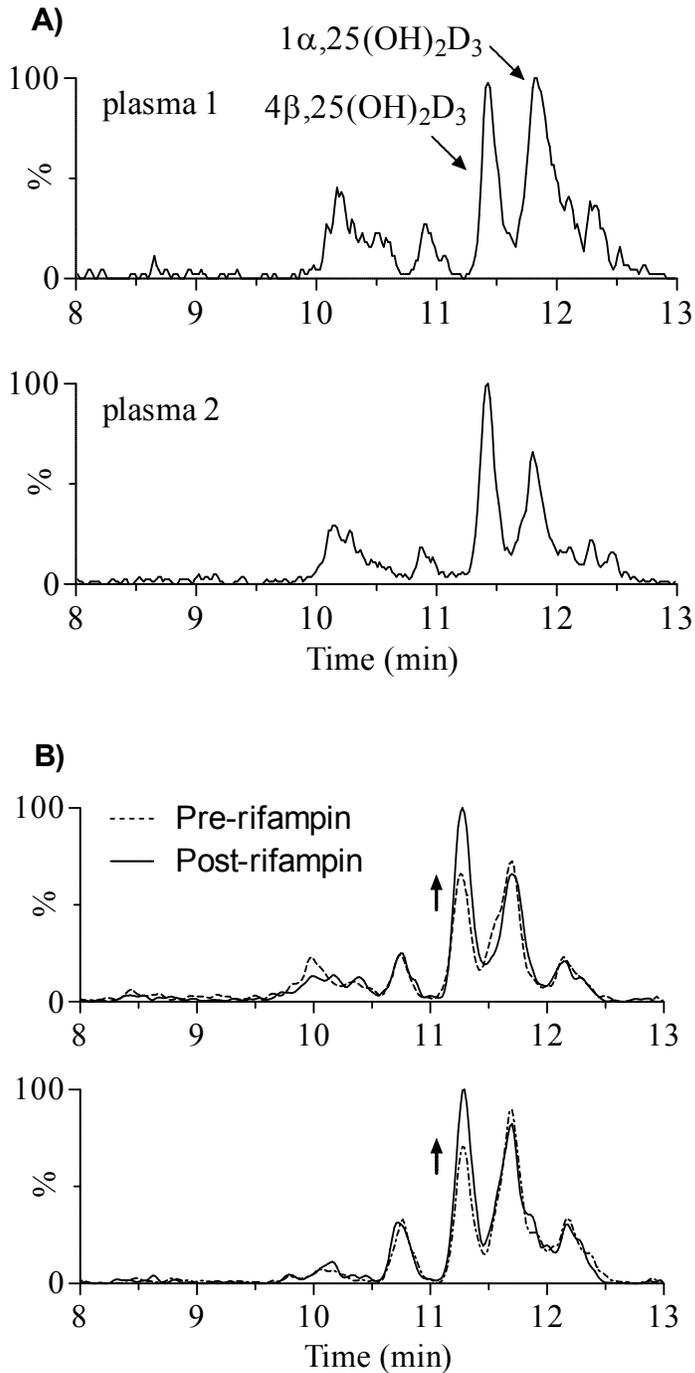
Molecular Pharmacology

Supplemental Figure 1.



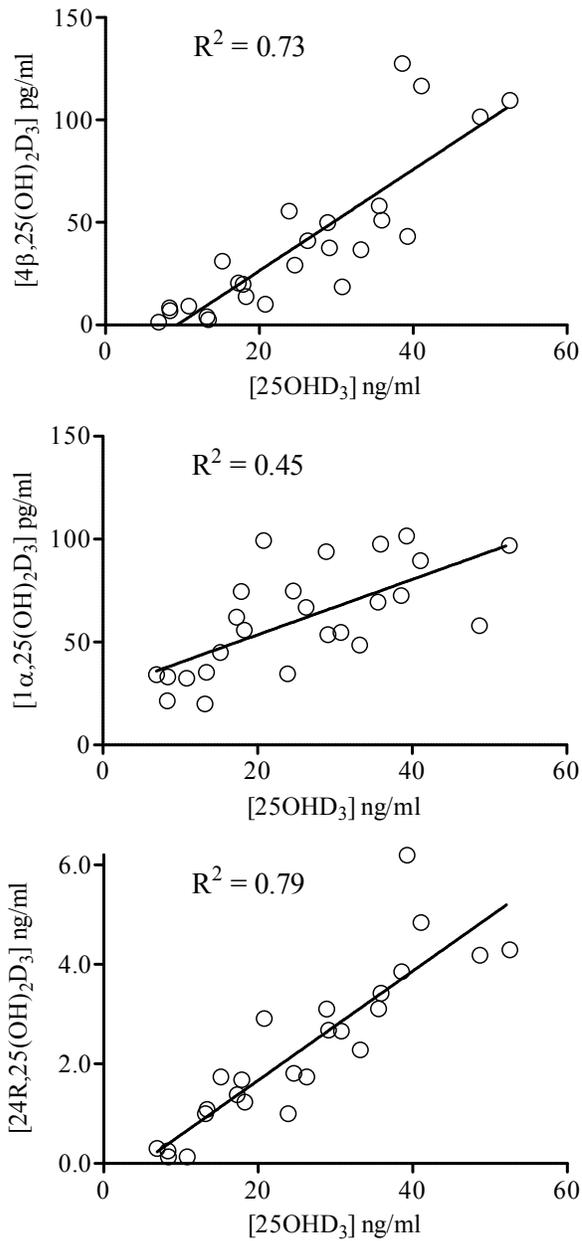
Supplemental Figure 1: Representative ion current chromatograms of the PTAD-derivatized vitamin D₃ metabolites by LC-MS/MS. The MRM (m/z 574 \rightarrow 314) chromatograms were obtained from either standards or HPLC-purified metabolites.

Supplemental Figure 2.



Supplemental Figure 2. Representative ion chromatograms of 4 β ,25(OH)₂D₃ and 1 α ,25(OH)₂D₃ in plasma. A) Plasma from two healthy individuals; B) Plasma from two subjects before or after rifampin administration in the pilot study. The MRM transition m/z 574 \rightarrow 314 was used to detect 4 β ,25(OH)₂D₃ and 1 α ,25(OH)₂D₃ simultaneously.

Supplemental Figure 3.



Supplemental Figure 3. Correlation of plasma concentrations of 4β,25(OH)₂D₃, 1α,25(OH)₂D₃, and 24R,25(OH)₂D₃ with 25OHD₃ in healthy volunteers (n = 25). The concentrations of these vitamin D₃ metabolites were determined previously (Wang et al., 2011).