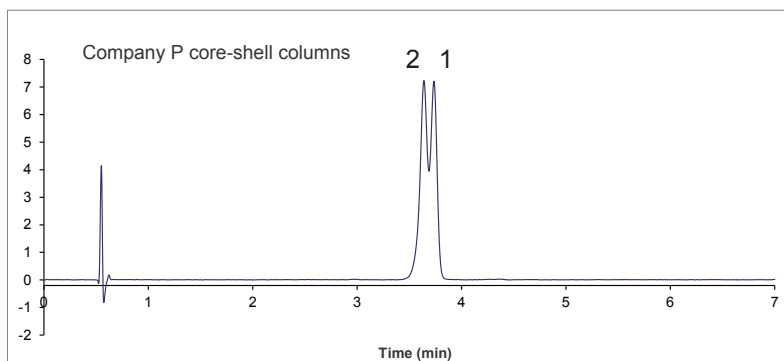
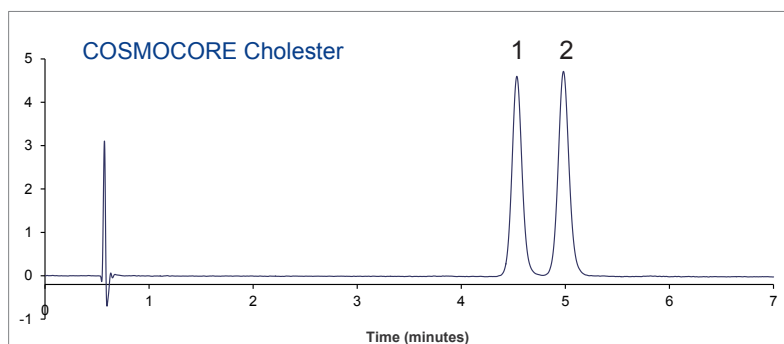


Analysis of Vitamins D₂ and D₃

Vitamin D is available in 2 distinct forms, D₂ and D₃, and they are found in many foods, including fish, eggs, fortified milk, and cod liver oil.

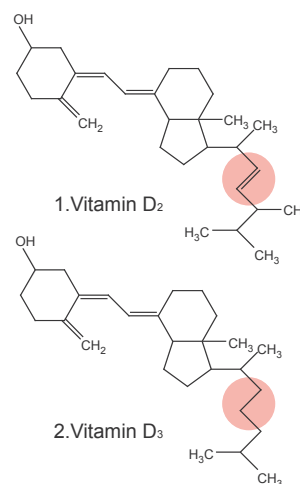
Vitamin D assists in the absorption of calcium and promotes bone mineralization, which may prevent or slow the progression of osteoporosis. It also helps to strengthen the immune system and protect against a number of serious diseases, including high blood pressure and cancer.

Structurally similar compounds such as vitamins D₂ and D₃ are difficult to analyze with alkyl group bonded materials. COSMOCORE Cholester's unique cholesterol-based stationary phase offers superior molecular shape selectivity, resulting in better separation for vitamins D₂ and D₃.



Analytical Conditions

Column size:	2.1 mm I.D. x 100 mm
Mobile phase:	Acetonitrile/0.1% Acetic acid = 95/5
Flow rate:	0.4 ml/min.
Temperature:	30°C
Detection:	UV265 nm
Sample:	1. Vitamin D ₂ (0.005 µg) 2. Vitamin D ₃ (0.005 µg)



For research use only, not intended for diagnostic or drug use.

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