

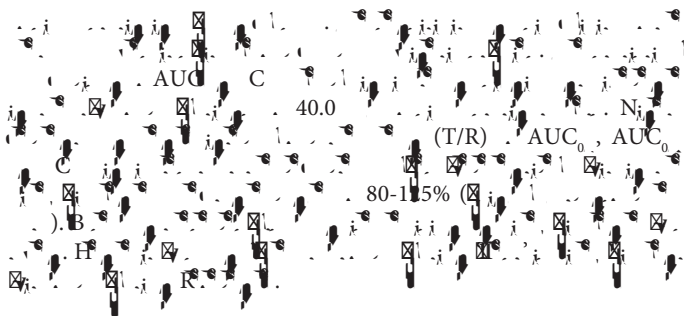
2.0, 6.0, 8.0 / 20

T 0.5 (10.0 /)
0.5 10%
4000 15 4 C.
N
F 1.

1.0
10.0 / Q LQC (2.0 /)
), MQC (6.0 /) HQC (10.0 /)
(=0.0012 -2E-06)
F (2

$R^2 = 0.9982$
5.0, 1.0 /
2.0, 6.0, 10.0 / L 98.35%, 97.35%

A (ANOVA),
($p > 0.05$)
40:0
70.0128 81.3045 /
56.8765 67.1555 /
AUC₀₋₂₄ 70.0128 81.3045 /
K_d
0.0899 0.0899,
C
A, HPLC UV



References

1. Wolozin B, Wang SW, Li NC, Lee A, Lee A, et al. (2007). Simvastatin is associated with a reduced incidence of dementia and Parkinson's disease. *BMC Medicine* 5: 20.
2. Barrett B, Huclova J, Borek-Dohalsky V, Nemecek B, Jelinek I (2006) Validated HPLC-MS/MS method for simultaneous determination of simvastatin and simvastatin hydroxy acid in human plasma. *J Pharm Biomed Anal* 41: 517-526.
3. Carlucci G, Mazzeo P, Biordi L, Bologna M (1991) Simultaneous determination of simvastatin and its hydroxy acid form in human plasma by high-performance liquid chromatography with UV detection. *J Pharm Biomed Anal* 10: 693-697.
4. Ali H, Nazzal S (2009) Development and validation of a reversed-phase HPLC method for the simultaneous analysis of simvastatin and tocotrienols in combined dosage forms. *J Pharm Biomed Anal* 49: 950-956.
5. Novakova L, Satinsky D, Solich P (2008) HPLC methods for the determination of simvastatin and atorvastatin. *Trends in Analytical Chemistry* 27: 352-367.
6. Hefnawy M, Al-Omar M, Julkhuf S (2009) Rapid and sensitive simultaneous determination of ezetimibe and simvastatin from their combination drug products by monolithic silica high-performance liquid chromatographic column. *J Pharm Biomed Anal* 50: 527-534.
7. Vuletic M, Cindric M, Koruznjak JD (2005) Identification of unknown impurities in simvastatin substance and tablets by liquid chromatography/tandem mass spectrometry. *J Pharm Biomed Anal* 37: 715-721.
8. Guidance for Industry, Bioanalytical Method Validation (2001) Rockville, Maryland: U.S. Department of Health and Human Services. Food and Drug Administration, Center for Drug Evaluation and Research, CDER.
9. Bolton S, Charles B (2009) Experimental Design in Clinical trials. In: *Pharmaceutical Statistics Practical and Clinical Applications* (5th edn), New York: Marcel Dekker Inc. 384-443.