α-methylbenzenemethanamine& N-(1-phenylethyl)-ibuprofen amide Analysis In Dexibuprofen

1. Analytical Condition

YL 9100 HPLC

*** Gradient Program =>**

Time(min)	%A	%B
init	100	0
15	0	100
35	0	100
40	100	0
55	100	0

Column : C18 (4.6*250mm, 5um)

Detector : UV/Vis 214nm

Flow : 1.0ml/min

Injection volume : 20㎕

Oven Temp : 35℃

Mobile Phase : solution (1) : [10mM NaH2PO4(1.56g)+10mM Na2HPO4(1.42g)]/1L Water

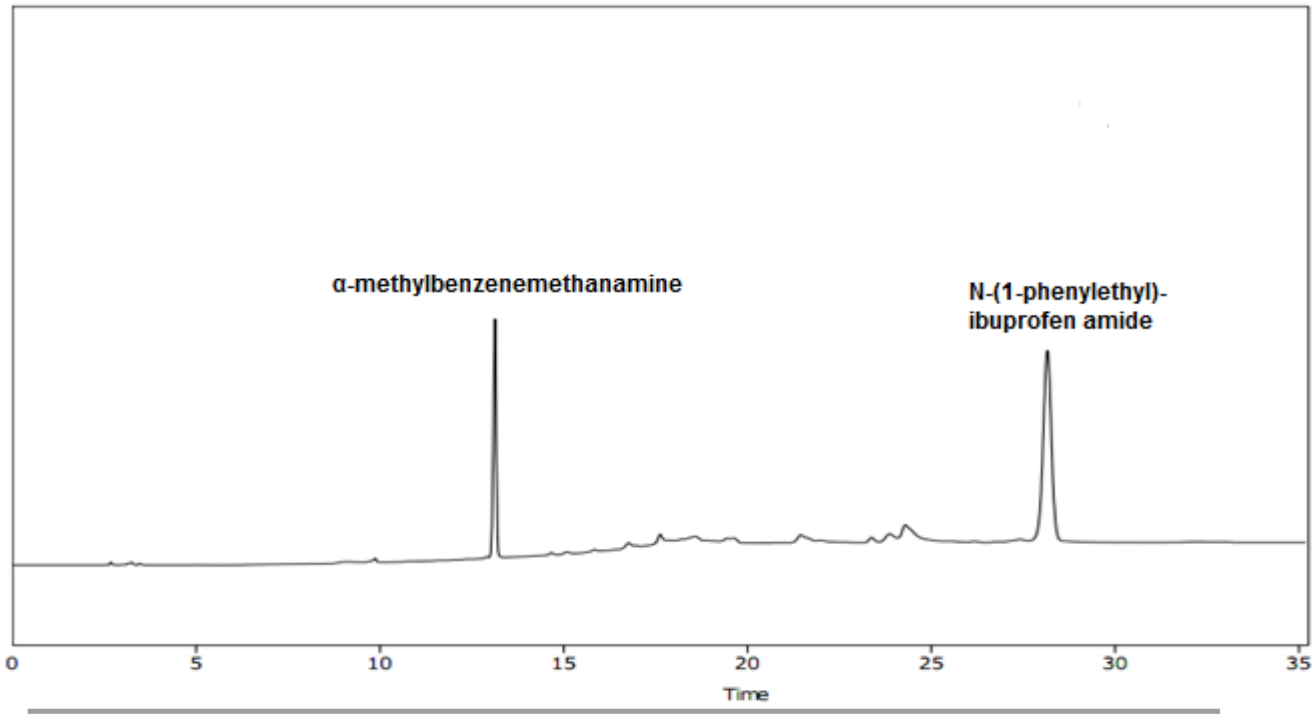
solution(2) : solution(1)+phosphoric acid 800ul + add sodium 1-hexanesulfonate 0.44g(pH=3.3)

A : (2)solution : MeOH = 85:15 (15% MeOH solution)

B : (2)solution : MeOH = 20:80 (80% MeOH solution)

*Caution: if you setup solutions and MeOH to make gradient individually, there could be precipitate in mixing process. So mixed solutions should be located at A,B line.

2. Chromatogram



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