

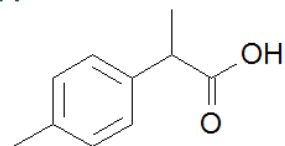
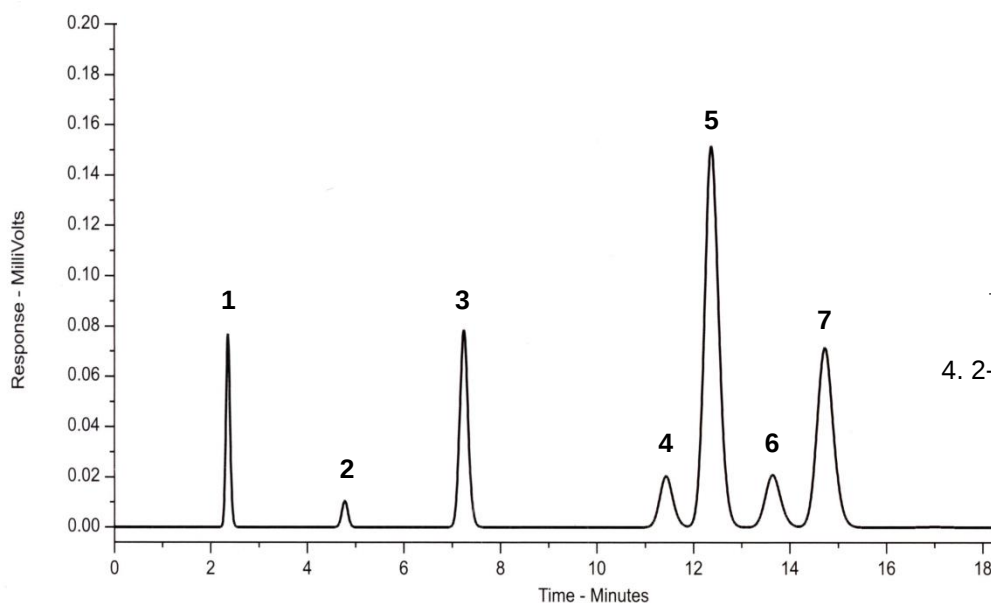
Ibuprofen and Related Impurities

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

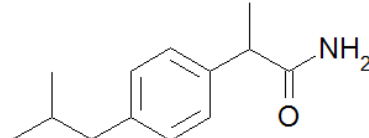
Application #AN4000

Conditions

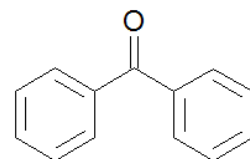
Column: ACE 5 C18
Dimensions: 150 x 3.0 mm
Part Number: ACE-121-1503
Mobile Phase: 0.1% TFA in H₂O/MeCN (64:36 v/v)
Flow Rate: 1.5 mL/min
Temperature: 40 °C
Detection: UV, 214 nm



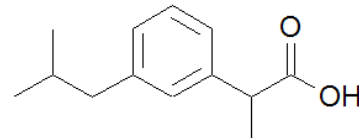
1. 2-(4-Methylphenyl)propanoic acid
(Impurity D)



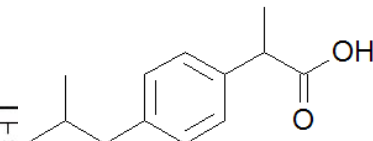
2. 2-(4-Isobutylphenyl)propanamide
(Impurity C)



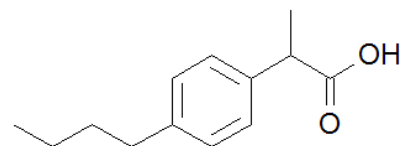
3. Benzophenone (IS)



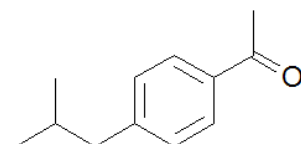
4. 2-(3-Isobutylphenyl)propanoic acid
(Impurity A)



5. Ibuprofen



6. 2-(4-Butylphenyl)propanoic acid
(Impurity B)



7. 1-(4-Isobutylphenyl)ethanone
(Impurity E)

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