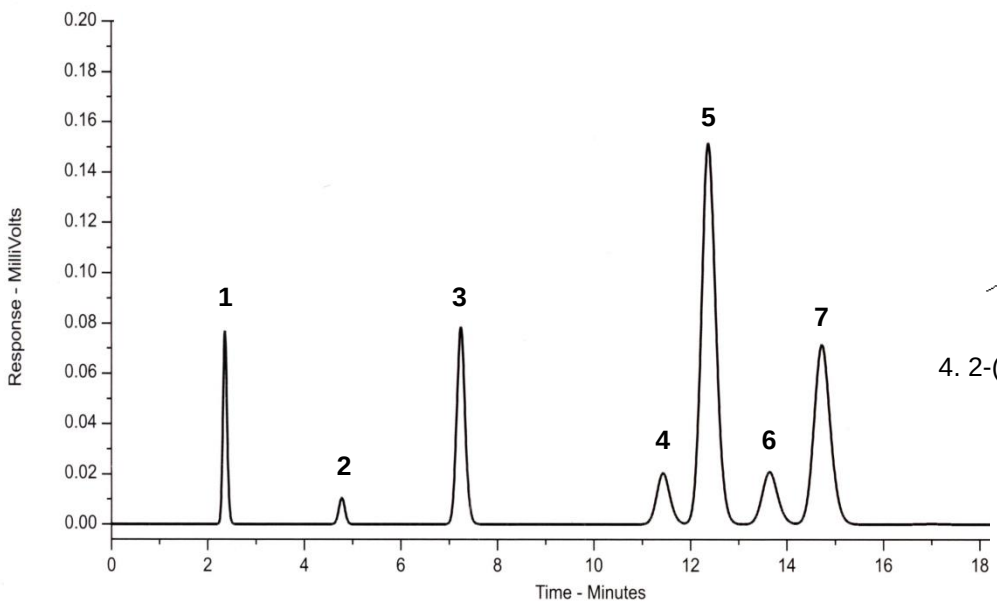
Ibuprofen and Related Impurities

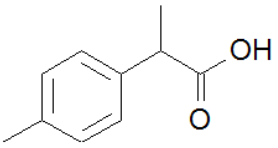
ACE®
Ultra-inert
UHPLC & HPLC Columns

Application #AN4000

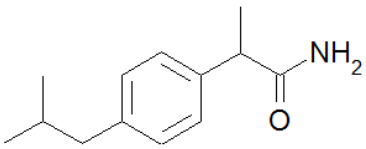
Conditions

Column:	ACE 5 C18
Dimensions:	150 x 3.0 mm
Part Number:	ACE-121-1503
Mobile Phase:	0.1% TFA in H_2O/MeCN (64:36 v/v)
Flow Rate:	1.5 mL/min
Temperature:	40 °C
Detection:	UV, 214 nm

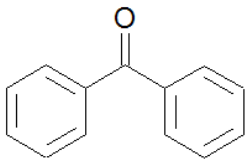




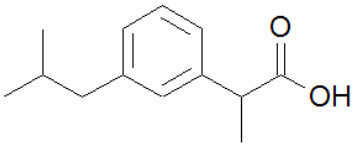
1. 2-(4-Methylphenyl)propanoic acid
(Impurity D)



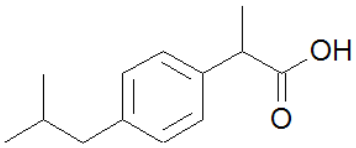
2. 2-(4-Isobutylphenyl)propanamide
(Impurity C)



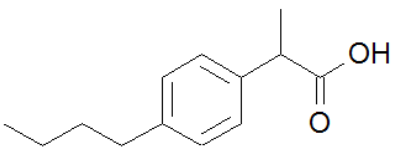
3. Benzophenone (IS)



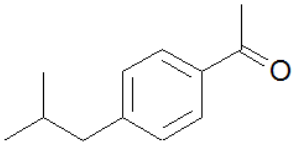
4. 2-(3-Isobutylphenyl)propanoic acid
(Impurity A)



5. Ibuprofen



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



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

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