Ibuprofen and Related Impurities

**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

**Application #AN4000**

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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