Anti-inflammatory and analgesic (acidic) drugs

Application Note

BioPharma

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Introduction
HPLC with an Agilent Polaris C18-A column separates eight acidic anti-inflammatory and analgesic drugs in eight minutes.
Conditions

Column: Agilent Polaris C18-A, 4.6 x 150 mm, 5 µm
Part no.: A2000150X046
Eluent: A: H₂O + 0.1% HCOOH; B: MeCN + 0.1% HCOOH
Gradient: 45 - 80% B in 10 min
Flow: 1.0 mL/min
Temperature: ambient
Detection: UV @ 220 nm
Sample: 1. acetylsalicylic acid (aspirin)
2. carbamazepine
3. salicylic acid
4. tolmetin
5. naproxen
6. indomethacin
7. diclofenac
8. ibuprofen