

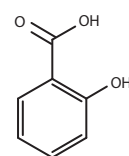


ACETYLSALICYLIC ACID

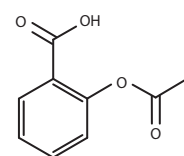
INTRODUCTION

Acetylsalicylic acid is very well-known as the drug Aspirin and is used to reduce pain and fever. It is also supplied under other brand names, such as Acylpyrin or Anopyrin. This application note shows the determination of impurity – salicylic acid in the final product.

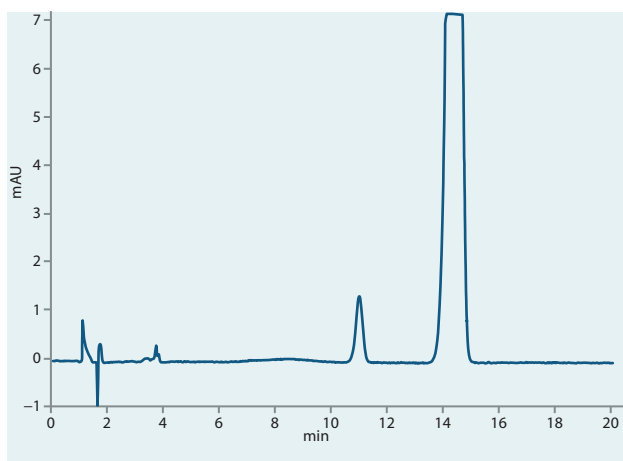
- Substance:**
1. Salicylic acid, 2-Hydroxybenzenecarboxylic acid, CAS number 69-72-7
 2. Acetylsalicylic acid, 2-Carboxyphenyl acetate, 2-Acetoxybenzenecarboxylic acid, CAS Number 50-78-2
- Formula:**
1. 2-hydroxybenzoic acid
 2. 2-Acetoxybenzoic acid



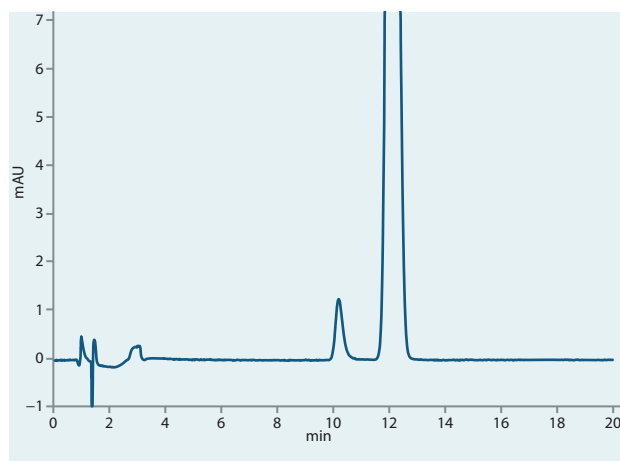
Salicylic acid



Acetylsalicylic acid



Standard on ARION® Polar C18, 5 µm

Standard on competitive column C18, 5 µm
(Competitor S)

Column	ARION® Polar C18, 5 µm
Dimensions	250 mm × 4.6 mm
Part number	ARI-5721-LM46
Mobile phase	Sodium 1-heptanesulfonate/acetonitrile with acetic acid, isocratic elution (proprietary)
Flow rate	2.0 ml/min
Temperature	25 °C
Detection	UV @280 nm
Analytes	1. Salicylic acid 2. Acetylsalicylic acid
Injection	10 µl