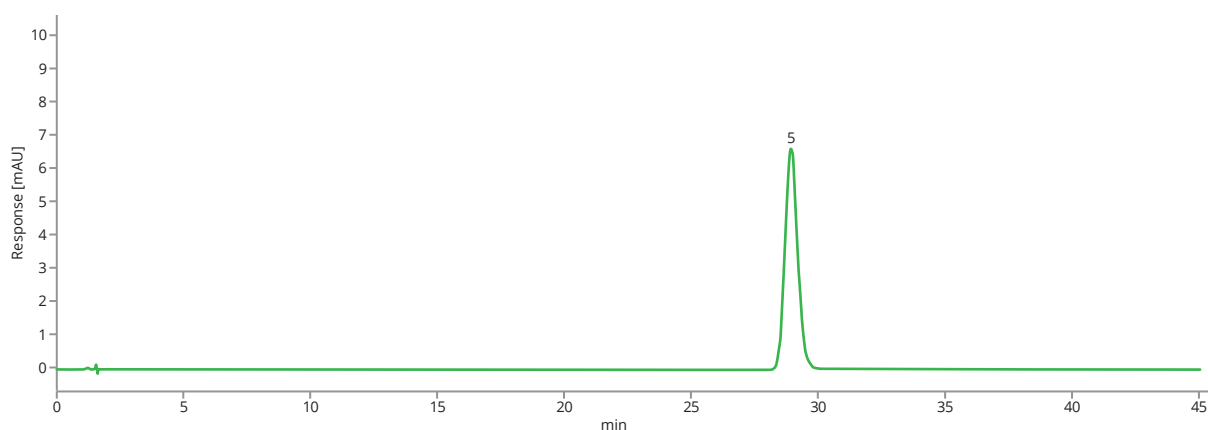
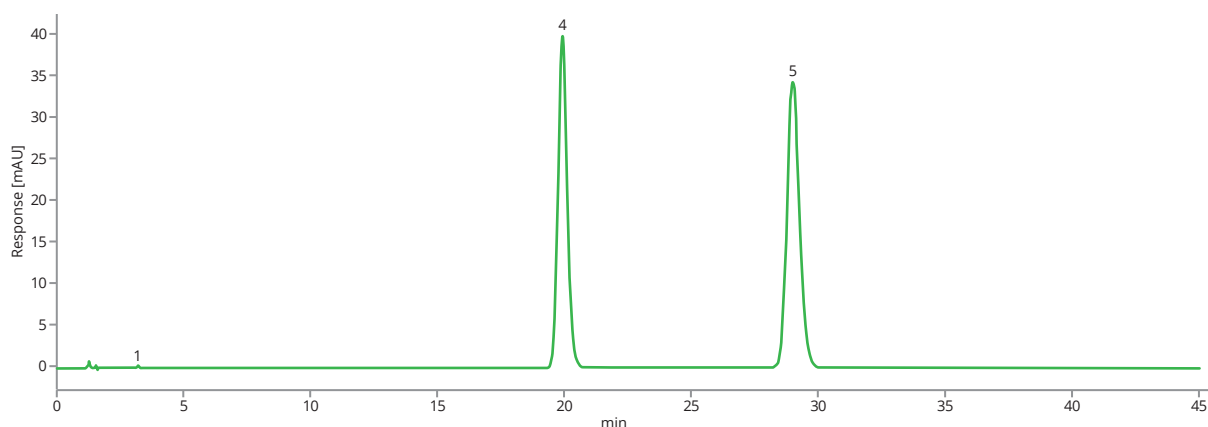


## Zopiclone impurities

Related substances control is a mandatory test in routine specification of active pharmaceutical ingredient. Chromatographic method should meet the strict system suitability requirements that is often challenging due to close retention times of the studied compounds. ARION® column shows a robust and precise results in control of Zopiclone related substances in a long sequence of analysis.

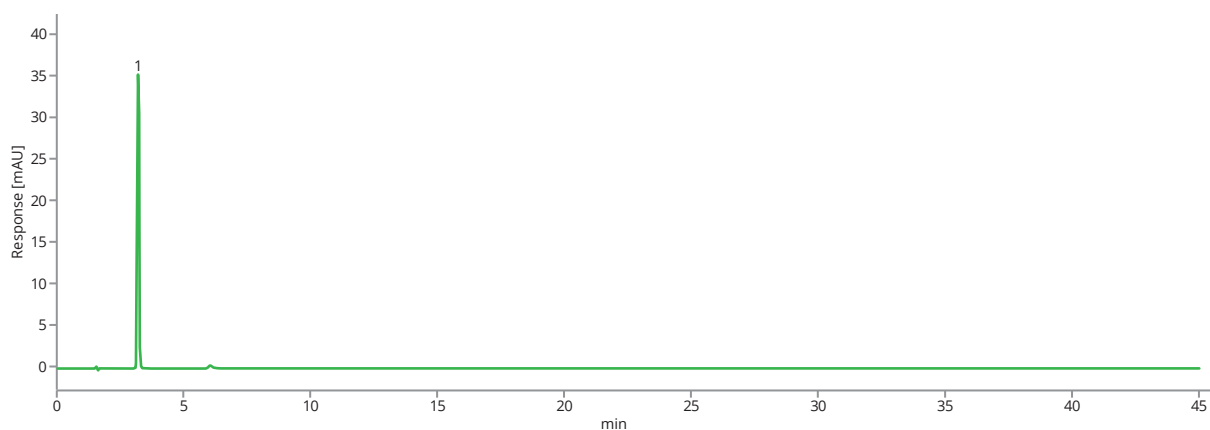


Reference solution (a) on ARION® column

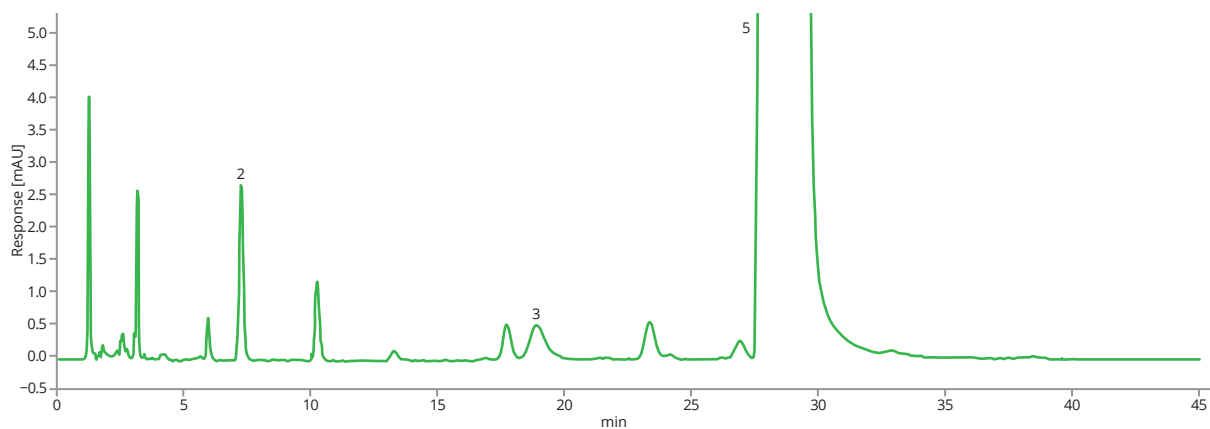


Reference solution (b) on ARION® column

## Zopiclone impurities



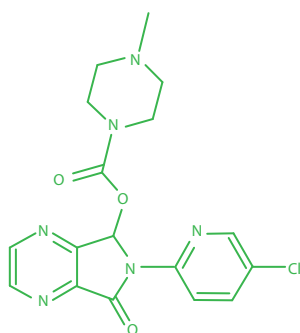
Reference solution (c) on ARION® column



Test solution on ARION® column

## Zopiclone impurities

<b>Column</b>	ARION® Plus C18, 5 µm
<b>Dimensions</b>	250 mm × 4.6 mm
<b>Part number</b>	ARI-5720-LM46
<b>Mobile phase</b>	ACN : solution containing 8.1 g/L of sodium laurilsulfate and 1.6 g/L of NaH <sub>2</sub> PO <sub>4</sub> , previously adjusted to pH 3.5 with a 10 % H <sub>3</sub> PO <sub>4</sub> 38/62 (v/v) Isocratic elution
<b>Flow rate</b>	1.5 mL/min
<b>Temperature</b>	30 °C
<b>Injection volume</b>	20 µL
<b>Detection</b>	UV at 303 nm
<b>Analytes</b>	<b>1. Impurity B</b> <b>2. Unknown impurity RT 7.25</b> <b>3. Unknown impurity RT 18.87</b> <b>4. Impurity A</b> <b>5. Zopiclone</b> , CAS number 43200-80-2



Zopiclone