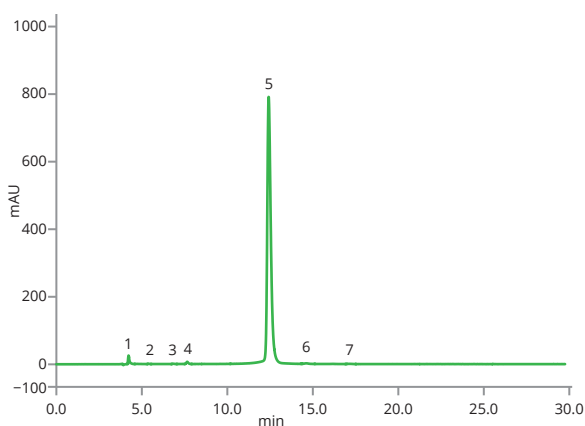




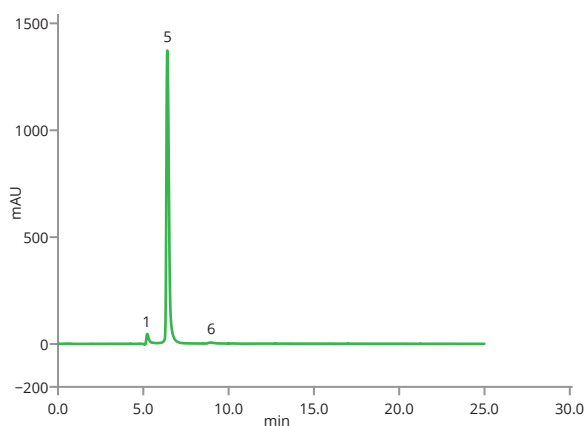
Potassium trichloroammineplatinate (II)

Potassium trichloroammineplatinate(II) (KTCAP) is key intermediate in the synthesis of novel platinum anticancer drugs.

Substance Potassium Trichloroammineplatinate (II), KTCAP,
CAS Number 13820-91-2



Sample on ARION® column



Test mixture on Phenosphere column

Main peak characteristics

Column	RT	Asym. (EP)	Plates (EP)
ARION® SAX	12.42	1.45	18 535
Phenosphere SAX	6.41	1.68	8 850



Potassium trichloroammineplatinate (II)

Column	ARION® SAX, 5 µm
Dimensions	250 mm × 4.6 mm
Part number	ARI-5806-LM46
Mobile phase	Phosphate buffer (0.05 M ammonium dihydrogen phosphate, 2% KCl, pH 3.0) Isocratic
Flow rate	1.0 ml/min
Temperature	30 °C
Injection volume	5.0 µl
Detection	UV @213 nm
Analytes	1. KTCAP-aquacomplex 2. Unknown impurity 3. Unknown impurity 4. Unknown impurity 5. KTCAP 6. Unknown impurity 7. K₂PtCl₄