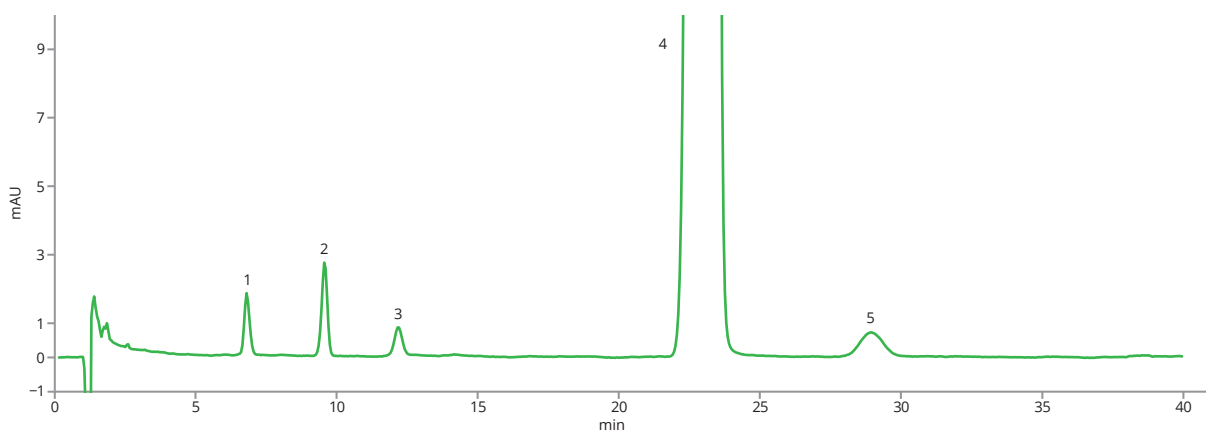
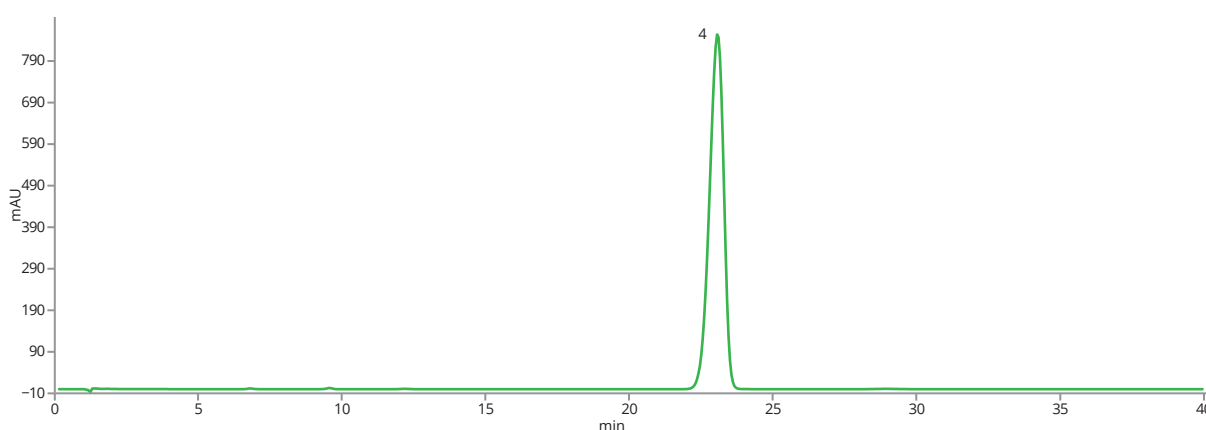


Thiopental impurities

Thiopental sodium is a medicine given intravenously to induce short duration general anaesthesia. Content of active pharmaceutical ingredient and related substances should be strictly controlled for injected drugs. This application shows a method for simultaneous determination of thiopental and related substances. ASTRA® column allows to separate all impurities according to the method and provides accurate and robust determination of thiopental.



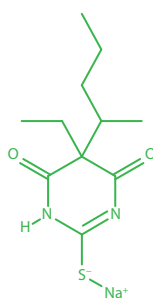
Related substances profile on ASTRA® column



Thiopental sodium assay on ASTRA® column

Thiopental impurities

Column	ASTRA® C18-HE, 5 µm
Dimensions	150 mm × 4.6 mm
Part number	AST-5732-LK46
Mobile phase	0.02M H ₃ PO ₄ : ACN 65/35 (v/v) Isocratic elution
Flow rate	1.0 ml/min
Temperature	25 °C
Injection volume	10 µL
Detection	UV at 225 nm
Analytes	1. Impurity A 2. Impurity B 3. Impurity C 4. Thiopental sodium , CAS number 71-73-8 5. Impurity D



Thiopental sodium