

HPLC Application

ID No.: 26287

Dexamethasone USP System Suitability Solution on Kinetex 1.7 µm C18 100 x 2.1 mm on Agilent 1290 UHPLC

Column: Kinetex® 1.7 µm C18 100 Å, LC Column 100 x 2.1 mm, Ea

Dimensions: 100 x 2.1 mm ID

Order No: 00D-4475-AN

Elution Type: Gradient

Eluent A: 3.4 g/L of monobasic potassium phosphate in water. Adjust with phosphoric acid to a pH of 6.5

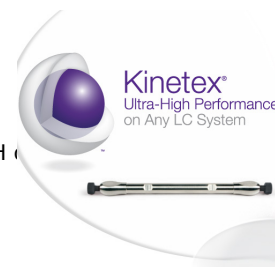
Eluent B: Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	76	24
	2	10	76	24
	3	15	45	55
	4	16	10	90
	5	16.1	76	24
	6	20	76	24

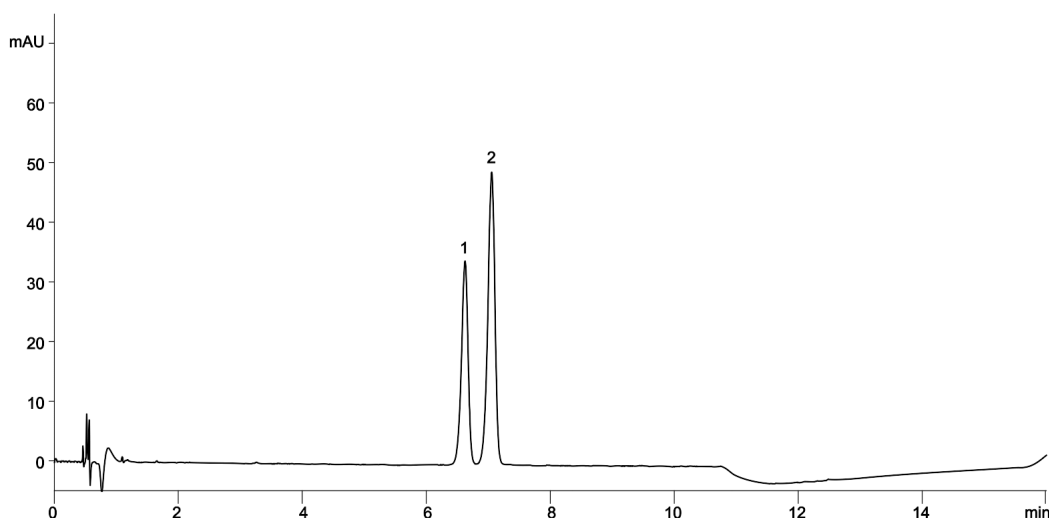
Flow Rate: 0.4 mL/min

Col. Temp.: 35 °C

Detection: LC/UV (DAD, PDA) @ 240.000000000 nm (nanometers) (ambient)



Products used in this application:



ANALYTES:

1 Betamethasone

Retention Time: 6.629 min

2 Dexamethasone

Retention Time: 7.054 min

