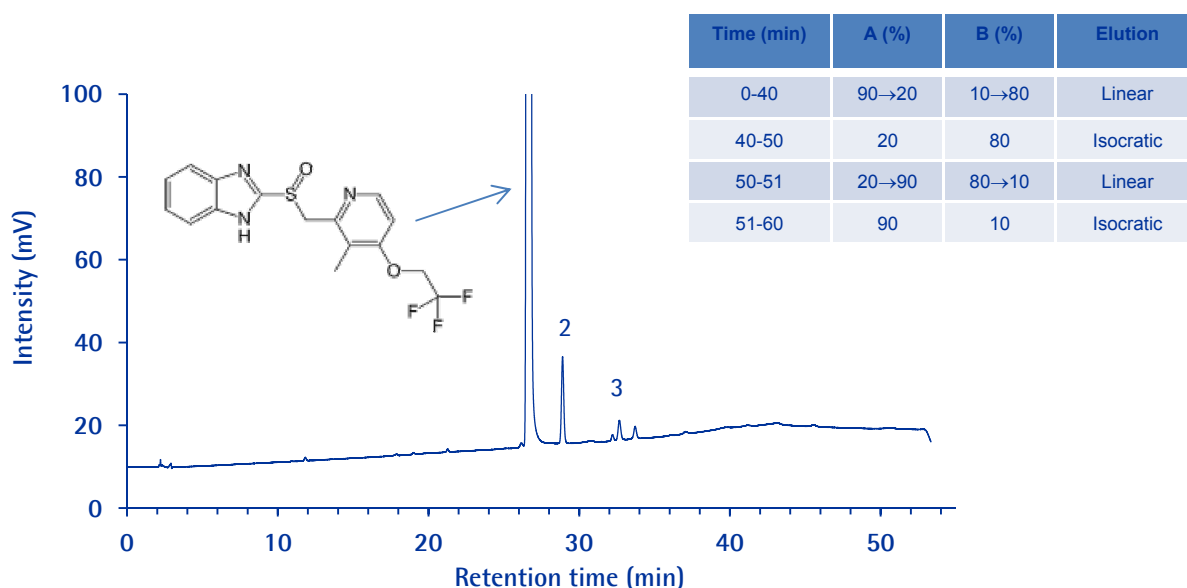


Lansoprazole and Related Substances (USP)

Purospher®STAR RP-18 endcapped

Chromatographic Conditions

Column:	Purospher®STAR RP-18 endcapped (5µm) Hibar® RT 150x4.6 mm	1.51455.0001
Injection:	40 µL	
Detection:	UV 285 nm	
Cell:	8 µL	
Flow Rate:	0.8 mL/min	
Mobile Phase:	Solution A: 100% Water Solution B: Acetonitrile, water, and triethylamine; 160:40:1 (v/v) with a pH of 7.0	
Gradient	See Table	
Temperature:	Ambient	
Diluent	mixture of 0.1 N sodium hydroxide solution and methanol; 75:25 (v/v)	
Sample:	250 ppm of Lansoprazole	



Chromatographic Data

No.	Compound	Time (min)	T _{USP}	Relative Retention Time (RRT)	Resolution
1	Lansoprazole	26.6	1.0	1.0	
2	Lansoprazole RS A	28.9	1.1	1.1	8.0
3	Lansoprazole RS B	32.7	1.1	1.2	