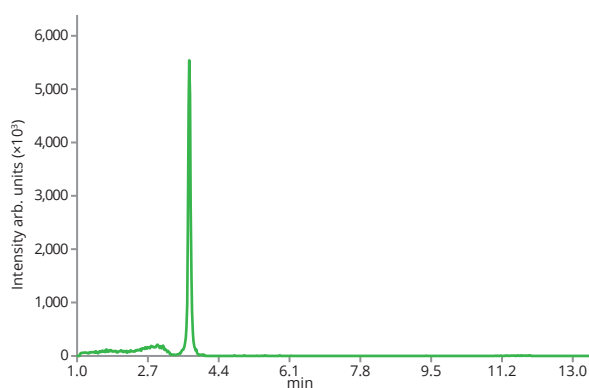


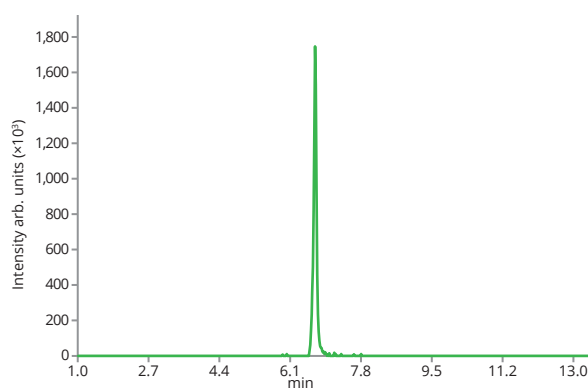


Analysis of Anti-infective agents

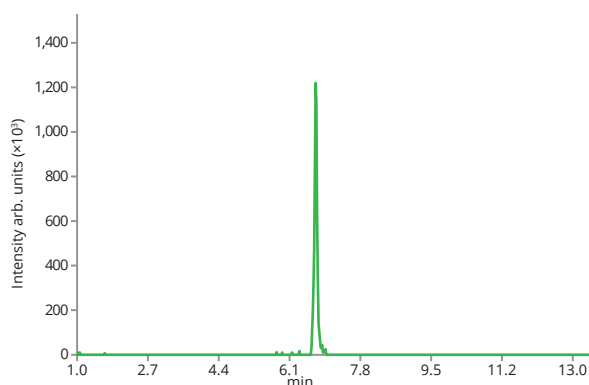
Anti-infectives are a class of many types of drugs that cover a broad range of infections, including antibiotics, antifungals, antiviral, and even protozoal infections. They have different mechanisms of action based on pathogens transmission and interaction with their host. Column ASTRA® allows to separate a broad spectrum of anti-infectives with a completely different chemical structure.



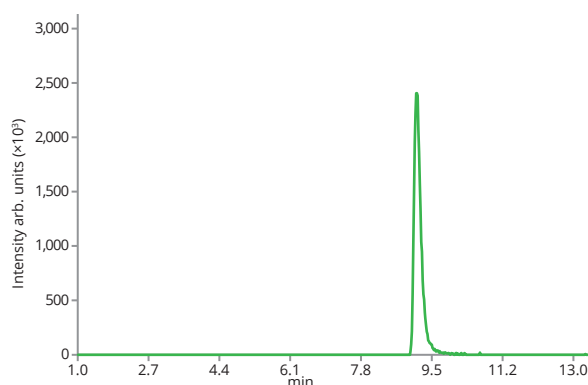
Trimethoprim RT: 3.7, m/z 291.1457



Sulfadimethoxine RT: 6.71, m/z 311.0814

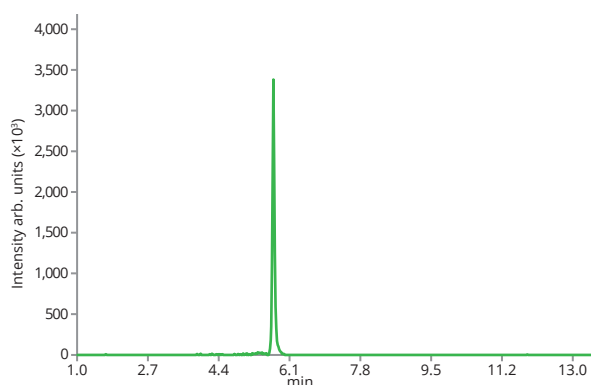


Sulfaquinoxaline RT: 6.71, m/z 301.0759

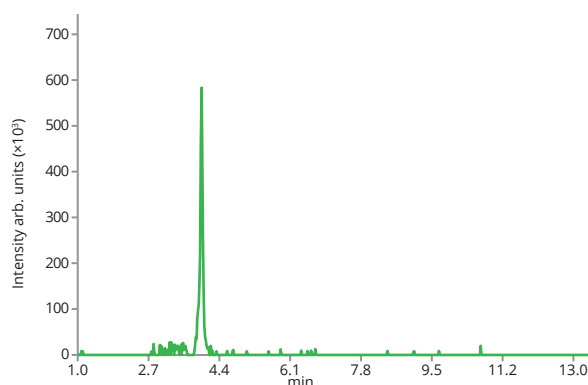


Miconazole RT: 9.15, m/z 414.9938

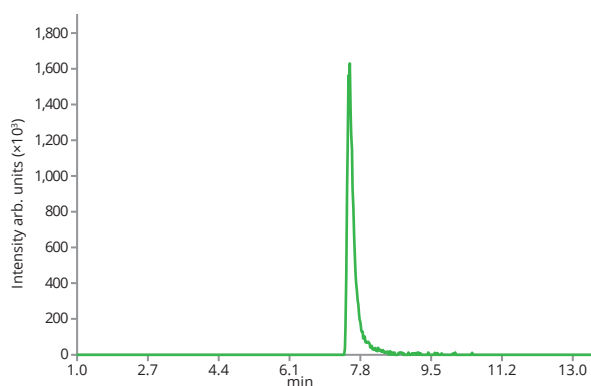
Analysis of Anti-infective agents



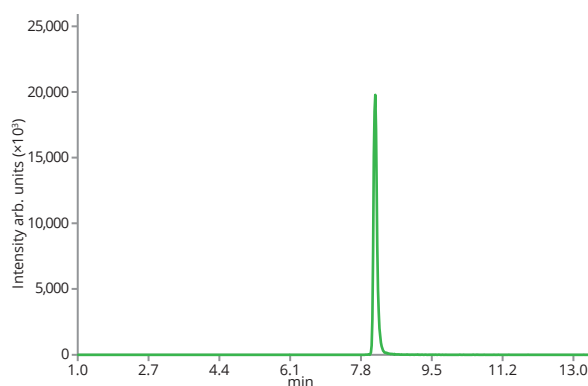
Oseltamivir RT: 5.72, m/z 313.2127



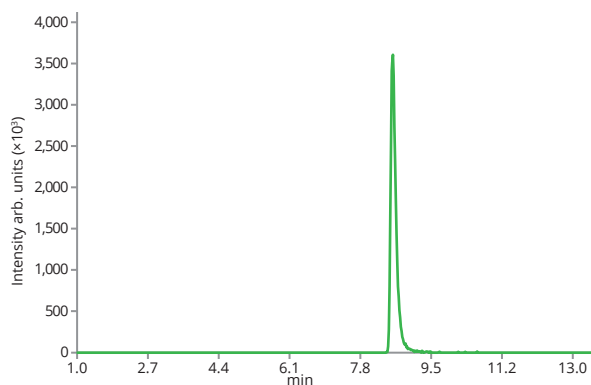
Oseltamivir acid RT: 4.01, m/z 285.1814



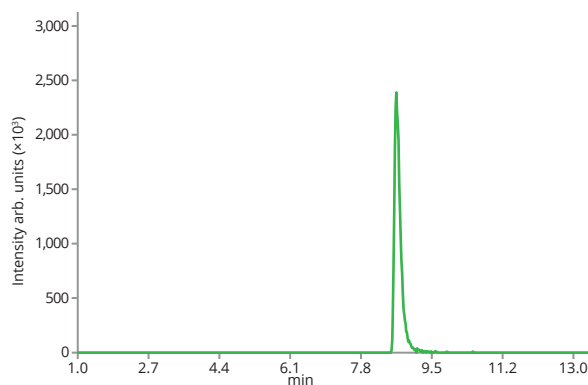
Terconazole RT: 7.55, m/z 532.1882



Terbinafine RT: 8.15, m/z 292.2065

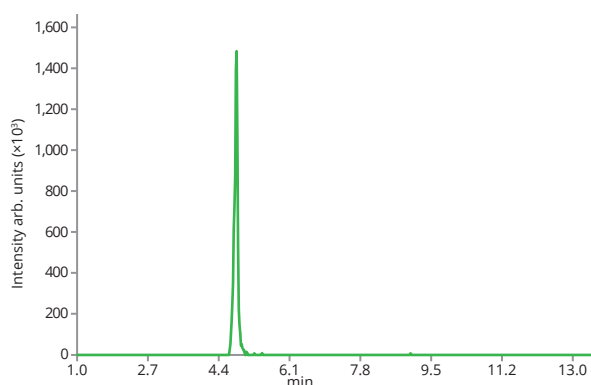


Econazole RT: 8.59, m/z 381.0328

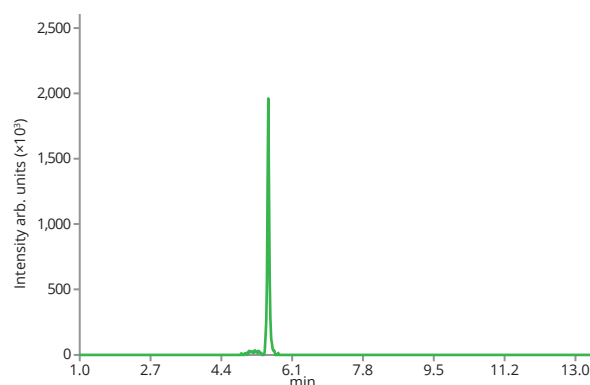


Sulconazole RT: 8.66, m/z 397.01

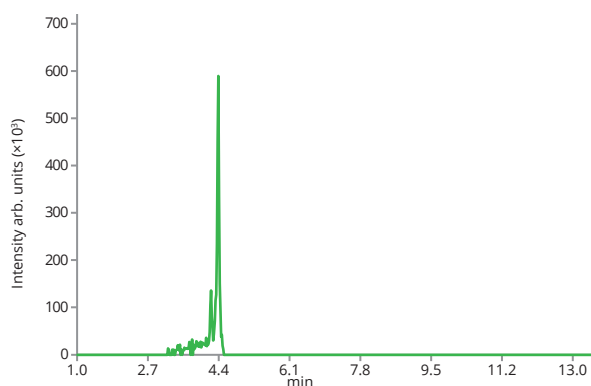
Analysis of Anti-infective agents



Fluconazole RT: 4.84, m/z 307.1119



Clindamycin RT: 5.54, m/z 425.1877



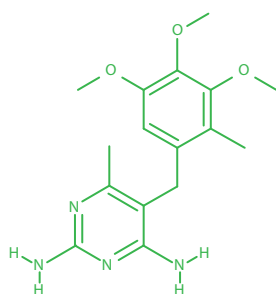
Clindamycin sulfoxide RT: 4.4, m/z 441.1822



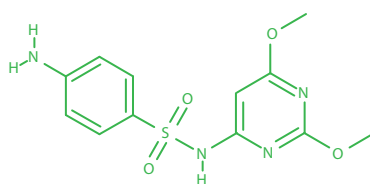
Analysis of Anti-infective agents

Column	ASTRA® C18-HE, 3.0 µm		
Dimensions	75 mm × 2.1 mm		
Part number	AST-5732-IH21		
Mobile phase	A: DDW + 0.1% Formic Acid B: ACN + 0.1% Formic Acid		
Gradient elution	Time	A (%)	B (%)
	0	90	10
	1	90	10
	4	75	25
	8	60	40
	10	0	100
	14	0	100
	14.01	90	10
	15	90	10
	17	90	10
Flow rate	0.35 mL/min		
Temperature	23 °C		
Detection	Full scan (resolving power 120 000, m/z 200), positive mode		
Injection volume	5 µL		
Analytes	<ol style="list-style-type: none">1. Trimethoprim, CAS number 738-70-52. Sulfadimethoxine, CAS number 122-11-23. Sulfaquinoxaline, CAS number 59-40-54. Miconazole, CAS number 59-40-55. Oseltamivir, CAS number 196618-13-06. Oseltamivir acid, CAS number 187227-45-87. Terconazole, CAS number 67915-31-58. Terbinafine, CAS number 91161-71-69. Econazole, CAS number 27220-47-910. Sulconazole, CAS number 61318-90-911. Fluconazole, CAS number 86386-73-412. Clindamycin, CAS number 18323-44-913. Clindamycin Sulfoxide, CAS number 22431-46-5		

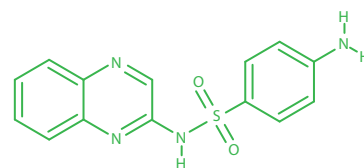
Analysis of Anti-infective agents



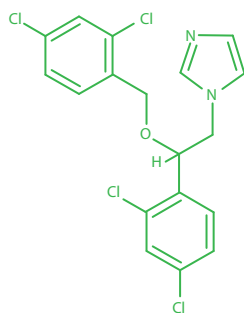
Trimethoprim



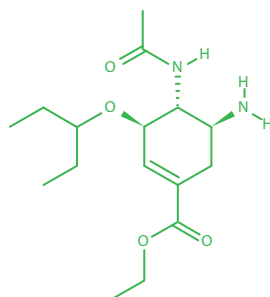
Sulfadimethoxine



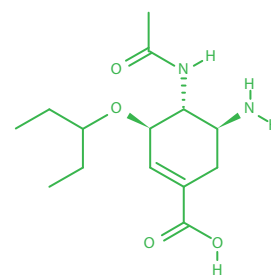
Sulfaquinoxaline



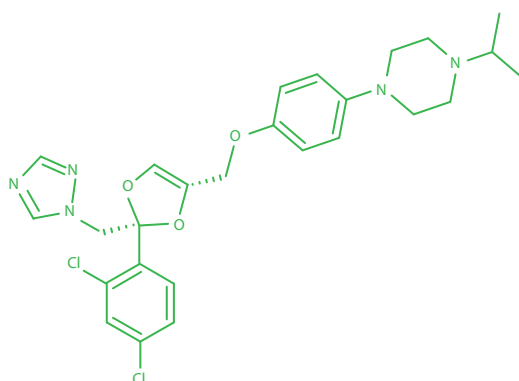
Miconazole



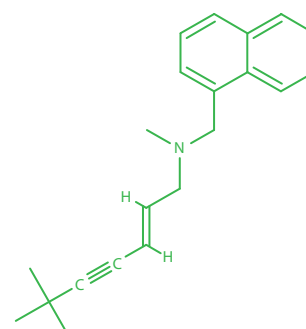
Oseltamivir



Oseltamivir acid

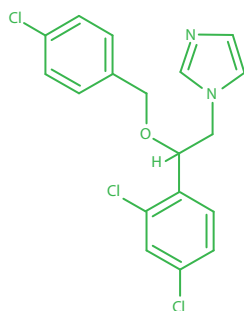


Terconazole

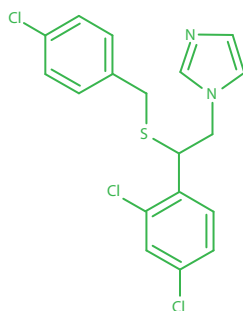


Terbinafine

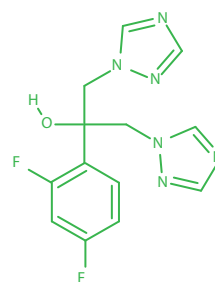
Analysis of Anti-infective agents



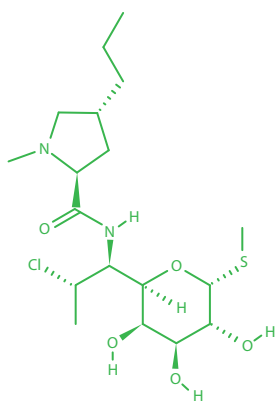
Econazole



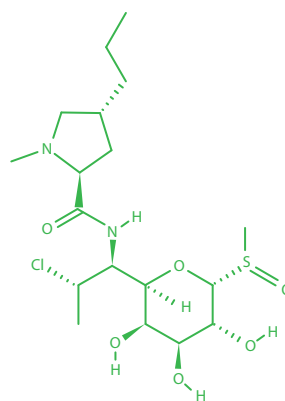
Sulconazole



Fluconazole



Clindamycin



Clindamycin Sulfoxide