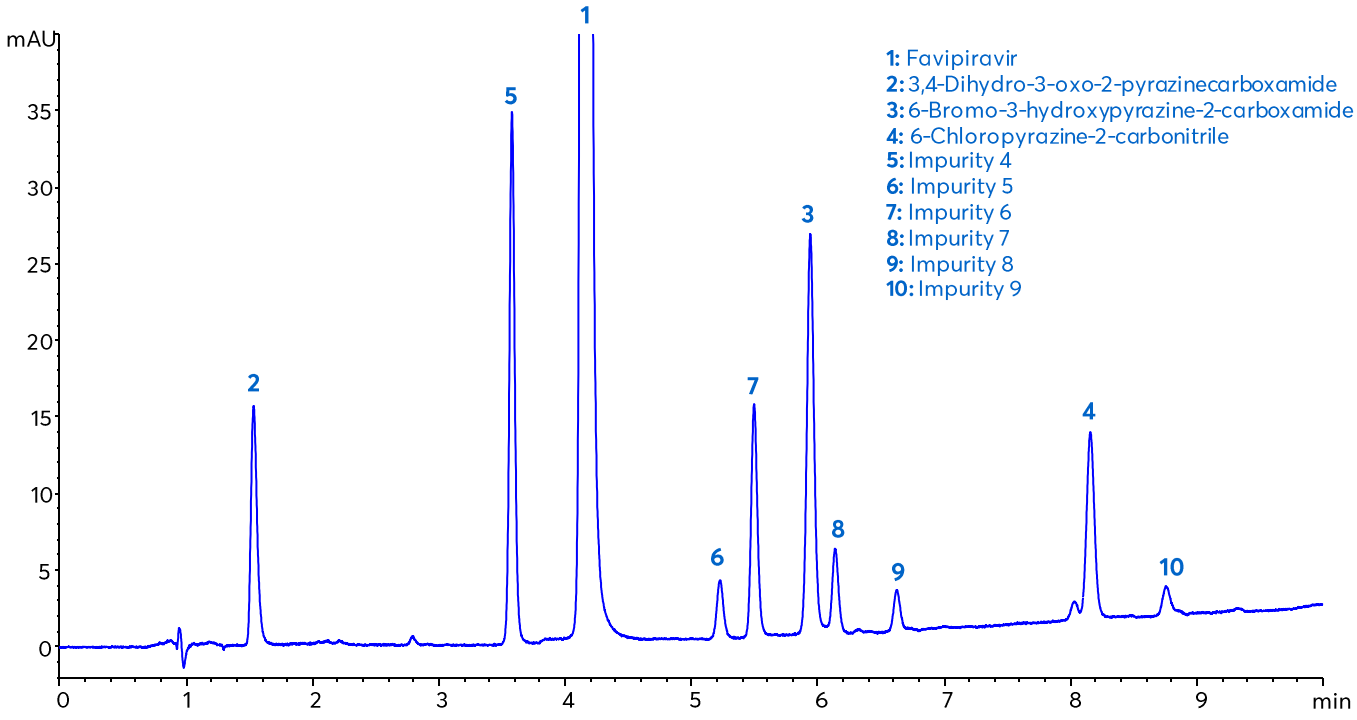
Chromatography Solutions

Application note #7240

Separation of Favipiravir and Impurities



Avantor® ACE®

Method Details

CONDITIONS

Column: ACE Excel 2 C18-AR

Dimensions: 100 x 3.0 mm

Mobile Phases: A: 0.1% Formic acid in H_2O

B: 0.1% Formic acid in MeOH

Gradient:

Time (mins)	%B
0	4
0.5	4
9	50
10	95
11	95

Flow Rate: 0.6 mL/min

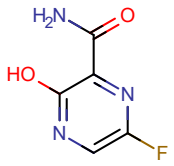
Injection: 5 µL

Temperature: 20 °C

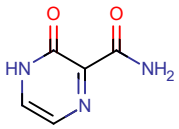
Detection: UV, 254 nm

Instrument: VWR Hitachi ChromasterUltra Rs

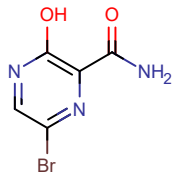
System Dwell Volume: 284 µL



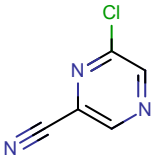
Favipiravir



3,4-Dihydro-3-oxo-2-pyrazine carboxamide



6-Bromo-3-hydroxypyrazine-2-carboxamide



6-Chloropyrazine-2-carbonitrile

ORDERING TABLE

Product	Details	Size	Part number
ACE Excel 2 C18-AR	UHPLC column	100 x 3.0 mm	EXL-109-1003U
Methanol	VWR CHROMANORM® gradient grade	2.5 L	20864.320
Water	VWR CHROMANORM® super gradient grade	2.5 L	83650.320
Formic acid	VWR NORMAPUR® analytical reagent	100 mL	20318.180
ChromasterUltra Rs UHPLC system	Pre-configured complete system with DAD		903-0400
UHPLC guard cartridge	For 3.0 mm i.d. C18-AR columns	3 pk	ACE-1P9-GD2U
UHPLC guard holder	Required for use of UHPLC guard cartridges	1	H0011

vwr.com/ace
chromsupport@avantorsciences.com