Stability Indicating Method for HIV Injection Treatment

ACE® Ultra-inert UHPLC & HPLC Columns

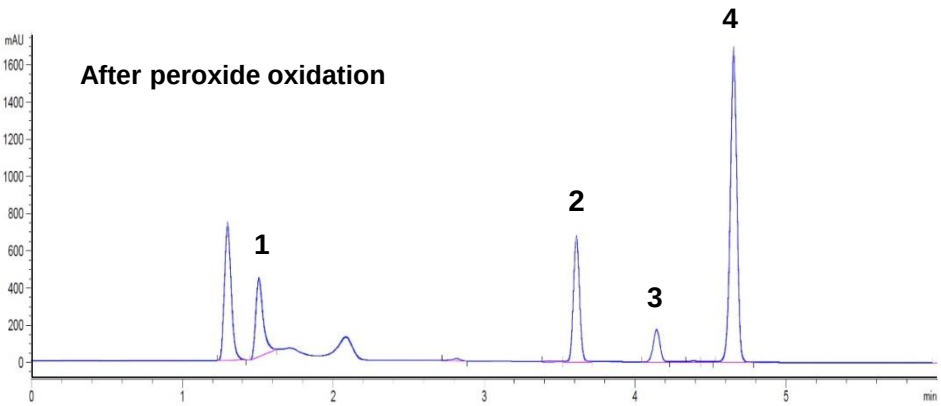
Application #**AN4170**

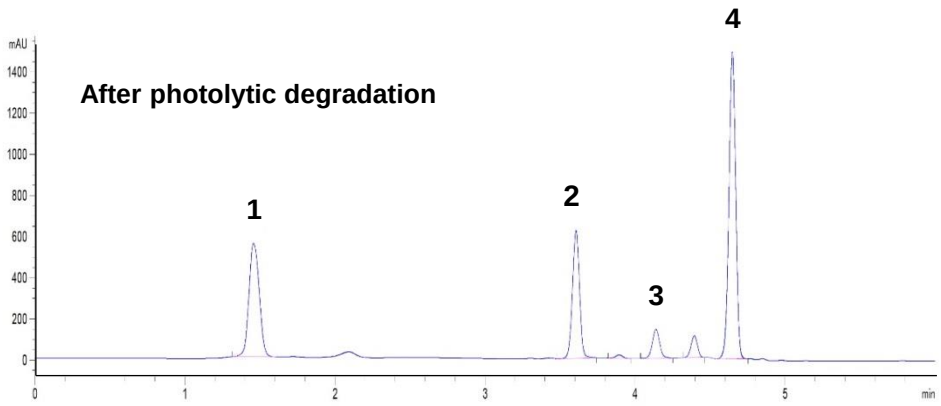
Conditions

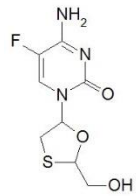
Column:	ACE Excel 2 C18
Dimensions:	50 x 3.0 mm
Part Number:	EXL-101-0503U
Mobile Phase:	A: 0.1% TFA in H_2O
	B: 0.1% TFA in MeCN

Time (mins)	%B
0.0	10
3.0	90
6.0	90
6.1	10
8.0	10

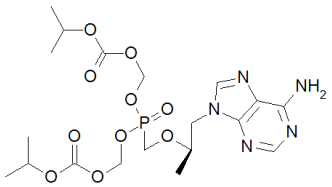
Flow Rate:	0.4 mL/min
Injection:	20 µL
Temperature:	30 °C
Detection:	UV, 240 nm



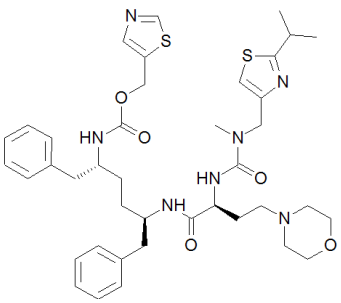




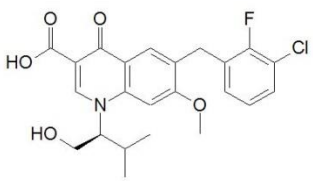
1. Emtricitabine
(LLOQ 0.10 µg/mL)



2. Tenofovir disoproxil
(LLOQ 0.10 µg/mL)



3. Cobicistat
(LLOQ 0.20 µg/mL)



4. Elvitegravir
(LLOQ 0.02 µg/mL)

Revath Naga Lakshmi P., Prahlad P., Mastananna SK., Ravindra N., Venkata Basaveswara Rao M, UPLC Separation Analysis of Emtricitabine, Tenofovir, Cobicistat and Elvitegravir from their Degradation products, Int. J. Pharm & Pharm Sci, 8(4), 362- 369 (2016)

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