[^{14}C]Pomalidomide and Metabolites in Human Plasma and Urine

ACE® Ultra-inert UHPLC & HPLC Columns

Application #**AN4240**

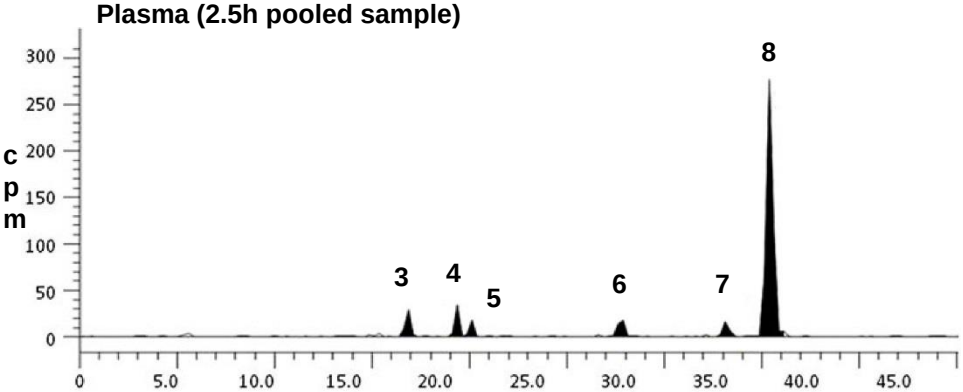
Conditions

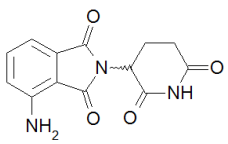
Column:	ACE 3 C18
Dimensions:	150 x 4.6 mm
Part Number:	ACE-111-1546
Mobile Phase:	A: 25 mM ammonium acetate pH 5.5 in H_2O
	B: MeOH

Time (mins)	%B
0	0
2	0
38	36
44	100
48	100
50	0

Flow Rate:	0.7 mL/min
Temperature:	30 °C
Detection:	Radiometric
	Metabolites characterised using LC-MS/MS (positive ion mode)

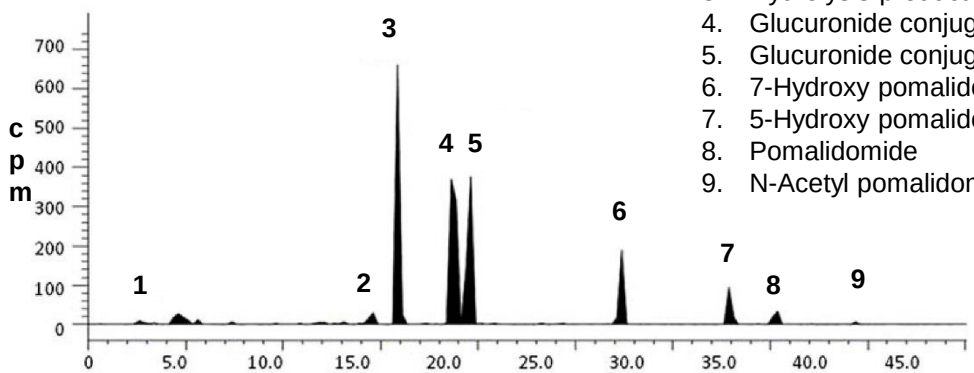
Plasma (2.5h pooled sample)





Pomalidomide

Urine (0-72h pooled sample)



1. 3-Aminophthalic acid
2. Hydrolysis product of pomalidomide
3. Hydrolysis product of pomalidomide
4. Glucuronide conjugate of 5-hydroxy pomalidomide
5. Glucuronide conjugate of 5-hydroxy pomalidomide
6. 7-Hydroxy pomalidomide
7. 5-Hydroxy pomalidomide
8. Pomalidomide
9. N-Acetyl pomalidomide

Hoffmann M, Kasserra C, Reyes J, Schafer P, Kosek J, Capone L, Parton A, Kim-Kang H, Surapaneni S, Kumar G. Absorption, Metabolism and Excretion of [^{14}C]Pomalidomide in Humans following Oral Administration. Cancer Chemotherapy and Pharmacology 71, 489-501 (2013) doi 10.1007/s00280-012-2040-6

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