

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE157

ISOLATION OF ANTINEOPLASTIC AGENTS FROM BISANTRENE AND MITOXANTRONE FROM PLASMA

Spe-ed™ Cartridge	Cat. No. 12001-Octadecyl C18/18%, 100mg/1mL. Process with <i>Spe-ed Mate</i> .
Cartridge Conditioning	5mL methanol. 2mL distilled water.
Sample Addition	Add 1mL of plasma to cartridge. Aspirate sample through cartridge.
Cartridge Wash	5mL water.
Analyte Elution	300uL of 0.5 M methanolic HCl. Collect eluate. Vortex. Keep at -20°C. for HPLC analysis.
HPLC conditions	
Bisantrene	
Column	C18, 30cm x 3.9mm, 10um
Mobile Phase	Acetonitrile/0.2M ammonium acetate pH 4.0 (27:73)
Flow Rate	2.0mL/min
Detector	436nm
Mitoxantrone	
Column	C18, 30cm x 3.9mm, 10um
Mobile Phase	Acetonitrile\ 0.2M ammonium acetate pH 4.0 (25:75)
Flow rate	1.5mL/minute
Detector	658nm

Note: *Since sample matrix interferences and concentrations may vary from sample to sample, it may be necessary to adjust the wash and elution solvent/solution strength and/or volume to optimize isolation.*

The logo for Applied Separations, featuring the company name in a bold, italicized sans-serif font with horizontal lines above the word "Applied".

930 Hamilton Street · Allentown, PA 18101
610-770-0900 · 610-740-5520 (fax)
www.appliedseparations.com