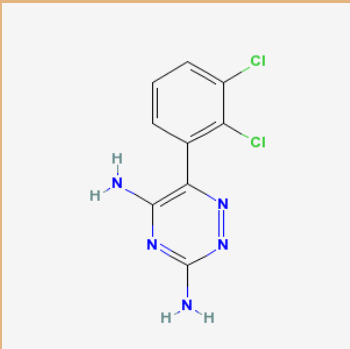


Bioanalytical Method Summary

Determination of lamotrigine in human EDTA plasma samples by HPLC-UV

Xendo method code	AI0384
Compound	Lamotrigine
Structure	
Molecular Formula and weight	C ₉ H ₇ Cl ₂ N ₅ , 256.09 Da
Internal standard	Carbamazepine
Species and Matrix	human plasma
Calibration range (LLQ-HLQ)	10.0 - 4000 ng/mL
Required sample volume	500 µL
Sample preparation	LLE with diethylether
Quantitation method	HPLC-UV

Assay Performance

Precision & Accuracy		
concentration ng/mL	bias (%)	overall CV (%)
10.0	5.0	3.8
30.0	2.1	5.4
2000	1.1	2.6
3200	2.5	2.5

Stability etc.	
Dilution factor	10
Over-curve	32000 ng/mL
F/T cycles	3
Autosampler	24 hours (RT)
Benchtop RT	
Extract 2-8 C	3 days

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