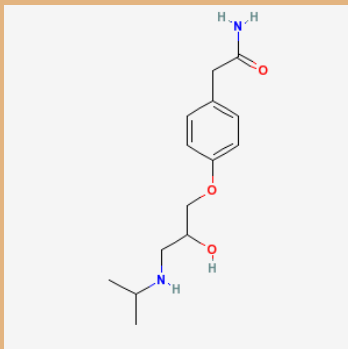


Bioanalytical Method Summary

Determination of atenolol in human EDTA plasma samples by HPLC-FL

Xendo method code	AI0526
Compound	Atenolol
Structure	
Molecular Formula and weight	C ₁₄ H ₂₂ N ₂ O ₃ , 266.34 Da
Internal standard	Sotalol
Species and Matrix	human plasma
Calibration range (LLQ-HLQ)	25.0 - 2500 ng/mL
Required sample volume	250 µL
Sample preparation	LLE with ethylacetate
Quantitation method	HPLC-FL

Assay Performance

Precision & Accuracy		
concentration ng/mL	bias (%)	overall CV (%)
25.0	-17.2	7.0
75.0	-6.8	2.8
350	-2.0	1.2
2000	-0.8	2.0

Stability etc.	
Dilution factor	5
Over-curve	10000 ng/mL
F/T cycles	3
Autosampler	32 hours (RT)
Benchtop RT	
Extract 2-8 C	4 days

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