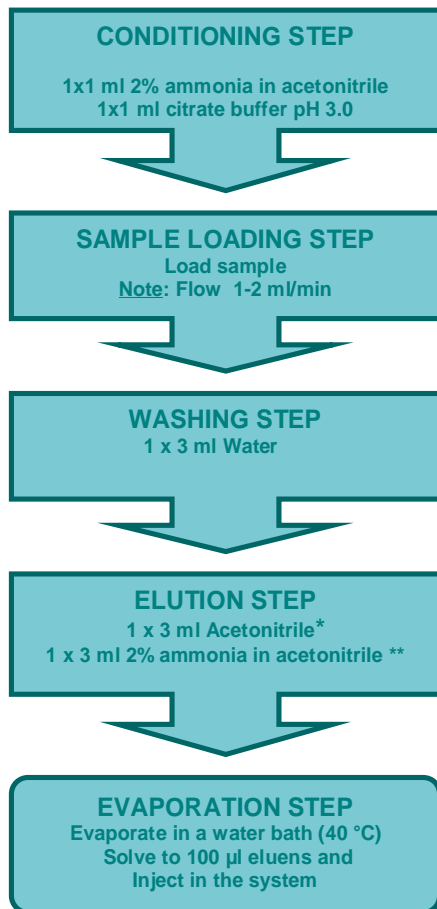




## Systematic Toxicological Identification Procedure (STIP) as a TDM-method for Midazolam and Hydroxy-Midazolam in serum after Solid Phase Extraction

### EXTRACTION PROTOCOL



**SAMPLE MATRIX** Serum

**SORBENT** BAKERBOND™ Speedisk C<sub>18</sub>  
Polar Plus 3ml/50 mg; PN 8153-04

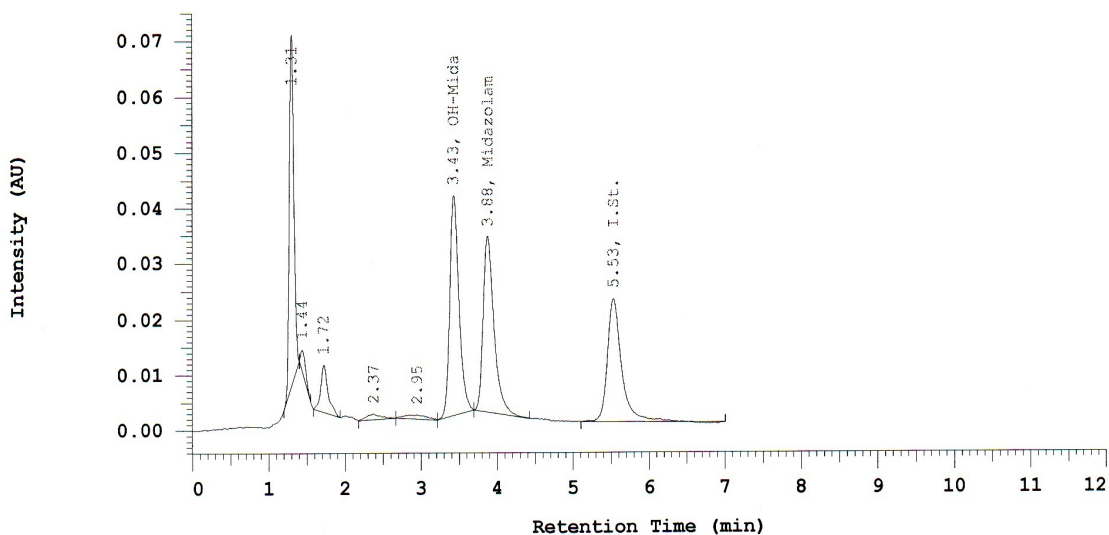
### **SAMPLE PREPARATION**

To 1 ml of serum add 2 ml of internal standard solution of protriptyline. Internal standard solution is made by dissolving appropriate amount of protriptyline in citrate buffer pH 3.0 to obtain the concentration of 0.1 µg/ml of protriptyline. The sample is applied to the spe column.

- \* A<sub>1</sub> fraction - elution of acidic and neutral compounds – vial 1
- \*\* A<sub>2</sub> fraction - elution of basic compounds – vial 2

# FINAL ANALYTICAL METHOD: HPLC-DAD According to STIP

Chrom Type: Fixed WL Chromatogram, 205 nm



Peak Quantitation: HEIGHT

Calculation Method: INT-STD

RT	Area	Height	Purity	ID-Cor	Name	Conc : ug/L
3.43	166860	19800	0.9992		OH-Mida	200.000
3.88	158320	15778	0.9997		Midazolam	200.000
5.53	143840	11072	0.9995		I.St. I	

For more information on STIP system and Solid Phase Extraction Procedure for drugs visit [www.zanob.nl](http://www.zanob.nl)

For more info on Solid Phase Extraction Products and application database, visit [www.jtbaker.com](http://www.jtbaker.com)