

## Drug Metabolism and Disposition

### Difference in the pharmacokinetics and hepatic metabolism of anti-diabetic drugs in Zucker Diabetic Fatty and Sprague-Dawley rats

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#### Supplemental Table 1

##### *Compound bioanalytical analysis details*

<i>Compound</i>	<i>AB Sciex</i>	<i>Aqueous Mobile Phase (v:v)</i>	<i>Organic Mobile Phase (v:v)</i>	<i>MS/MS Transitions</i>	<i>collision energy</i>	<i>Internal standard</i>
Rosiglitazone	6500	H <sub>2</sub> O:2M NH <sub>4</sub> HCO <sub>3</sub> (1000:25)	MeOH:2M NH <sub>4</sub> HCO <sub>3</sub> (1000:25)	358.1 → 135.1	25	Proprietary Lilly Compound
Troglitazone	5500	H <sub>2</sub> O:2M NH <sub>4</sub> HCO <sub>3</sub> (1000:25)	MeOH:2M NH <sub>4</sub> HCO <sub>3</sub> (1000:25)	440.1 → 397.1	-18	Proprietary Lilly Compound
Glibenclamide	6500	H <sub>2</sub> O:2M NH <sub>4</sub> HCO <sub>3</sub> (1000:25)	MeOH:2M NH <sub>4</sub> HCO <sub>3</sub> (1000:25)	494.1 → 369.2	20	Proprietary Lilly Compound
Canagliflozin	5500	H <sub>2</sub> O:2M NH <sub>4</sub> HCO <sub>3</sub> (1000:25)	MeOH:2M NH <sub>4</sub> HCO <sub>3</sub> (1000:25)	443.1 → 364.9	-10	Proprietary Lilly Compound
Testosterone	6500	H <sub>2</sub> O:FA (1000/1)	Acetonitrile	289.3 → 97.1	31	Proprietary Lilly Compound
6β-hydroxytestosterone	6500	H <sub>2</sub> O:FA (1000/1)	Acetonitrile	305.1 → 269.1	23	6β-hydroxytestosterone-D <sub>3</sub>
Midazolam	6500	H <sub>2</sub> O:HOAc (1000/10)	Acetonitrile	326.1 → 291.0	40	Proprietary Lilly Compound
α-hydroxymidazolam	6500	H <sub>2</sub> O:HOAc (1000/10)	Acetonitrile	342.1 → 203.0	35	α-hydroxymidazolam-D <sub>4</sub>
4-methylumbelliferone	5500	H <sub>2</sub> O:FA (1000:1)	Methanol	175.0 → 133.0	-30	Proprietary Lilly Compound
4-methylumbelliferyl-β-D-glucuronide	5500	H <sub>2</sub> O:FA (1000:1)	Methanol	352.0 → 174.9	-15	7-hydroxycoumarin glucuronide
7-hydroxycoumarin	5500	H <sub>2</sub> O:FA (1000:1)	Methanol	160.9 → 132.9	-28	Proprietary Lilly Compound
7-hydroxycoumarin sulfate	5500	H <sub>2</sub> O:FA (1000:1)	Methanol	160.9 → 132.9	-21	7-hydroxycoumarin sulfate-D <sub>5</sub>

FA = formic acid; HOAc = acetic acid