

**Table S2.** Maximal concentration ( $C_{max}$ ) in brain, time at which maximal concentration was reached ( $T_{max}$ ), half-life of elimination ( $t_{1/2}$ ), and area under the curve (AUC) for  $\Delta^9$ -THC and its metabolites in adolescent male and female rats after IP injection of  $\Delta^9$ -THC (5 or 0.5 mg/kg). \* $P < 0.5$ ; \*\* $P < 0.01$ . Student's  $t$ -test,  $n = 4$ .

Analyte	Dose $\Delta^9$ -THC (mg/kg)	Male				Female			
		$C_{max}$ (pmol/ mL)	$T_{max}$ (min)	$t_{1/2}$ (min)	AUC (pmol • min/mL)	$C_{max}$ (pmol/ mL)	$T_{max}$ (min)	$t_{1/2}$ (min)	AUC (pmol • min/mL)
$\Delta^9$ -THC	0.5	65	60.00	183.2	15999	80	120.00	206.9	22012
	5	536	60.00	265.9	126096	769	60.00	107.5	172025
11-OH- THC	0.5	13	60.00	-	3065	40*	120.00	-	9324*
	5	236	60.00	-	27764	574	60.00	-	89634*
11- COOH- THC	0.5	8	240.00	-	2323	8	120.00	-	3218
	5	31	60.00	-	6309	86*	480.00	-	28232**