Effect of pioglitazone treatment on blood glucose and plasma insulin in 6 hours fasted mice after 2 weeks and 4 weeks of treatment

ANIMAL MODEL
- Background strain: C57BL/6 mice
- Gender: male
- Diet: 60% fat
- Positive reference compounds: metformin, pioglitazone

PHARMACOLOGICAL VALIDATION

Effects of pioglitazone on glucose fluxes

GTO = glucose turnover (whole body glucose utilization rate)
HGP = hepatic glucose production in basal state

Effects of pioglitazone on individual tissue uptake

Effect of pioglitazone treatment (30mg/kg) on glucose infusion rate assessed during a basal-euglycemic-hypersulfinemic clamp (16mU/kg/min) + 3H glucose

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