



Title	Simultaneous quantification of imidacloprid and its metabolites in tissues of mice upon chronic low-dose administration of imidacloprid
Author(s)	Nimako, Collins; Ikenaka, Yoshinori; Akoto, Osei et al.
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### ***Highlights***

- ❖ LC-MS/MS method was developed for multi-detection of imidacloprid compounds.
- ❖ Imidacloprid and its metabolites accumulated in blood, brain and testis of mice.
- ❖ IMI-olefin was the most predominant metabolite detected in mice tissues
- ❖ *N*-desnitro-IMI showed high accumulation trends in mice brain and testis
- ❖ Testis, inguinal white adipose tissue and kidney had high imidacloprid burden