

## The Acute Toxicity of Novel Platinum(II) Complexes in Mice

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This study was conducted to examine novel Pt(II) complexes, (KHPC-002; [Pt(trans-1-dach) (DPPE)].2NO<sub>3</sub>, KHPC-005; [Pt(cis-dach)(DPPE)].2NO<sub>3</sub> and KHPC-006; [Pt(cis-dach) (DPPP)]. 2NO<sub>3</sub>) for their acute toxicities.

In male and female mice given a single intraperitoneal administration of KHPC-002, KHPC-005 and KHPC-006, we determined that LD<sub>50</sub> values of Pt(II) complexes were 295.5mg/kg(M), 350.4mg/Kg(F); KHPC-002, 596.5mg/Kg(M), 674.8 mg/Kg(F); KHPC-005, 158.7mg/Kg(M), 157.7mg/Kg(F); KHPC-006, respectively. The signs of toxicity in mice observed following the administration of these compounds included the followings: decreased motor activity; abnormal gait; salivation, transient decreased body weight. There were no treatment related specific changes in growth examination.