

Studies on the Genetic Toxicity of NP-77A

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To evaluate the genetic toxicity of NP-77A which is selected as the candidate of anti-HBV agent, we performed ames test, micronucleus test, and chromosome aberration test on the CHL cell *in vitro*.

The Ames test was carried out with 5 fold diluted 5 concentrations from 25mg/plate using *S. typhimurium* and *E.coli*. After 48hrs incubation, revertant colony numbers was calculated with and without metabolic activation system. In *in vivo* micronucleus test, we investigated the rate of the occurrence of micronucleus after I.P. administration to mice. Andalso, we observed the incidence rate of cells with chromosomal aberration by NP-77A treatment using CHL cell line.

No mutagenic activity was shown in the all of these 3 experiments when compared with negative control. These result suggested that the NP-77A does not have any mutagenicity.