

# **Preliminary Study for the Toxicity Study on Sodium Hyaluronate (Na-HA) in Rats by Repeated Oral Administration for 13 Weeks**

Tadahiko Kato, Shin-ichi Nakajima, Hitoshi Kurihara, Akira Asari,  
Tomoko Sekiguchi, Atsuko Sunose, Toyomi Takahashi, Satoshi Miyauchi  
and Kiyochika Tokuyasu  
Tokyo Research Institute, Seikagaku Corporation

## **Abstract**

Sodium hyaluronate (Na-HA) was given orally to SD-rats at dose levels of 12.5, 25 and 50 mg/kg/day for 13 weeks, additional study was conducted by the dose levels of 3.13 and 6.25 mg/kg/day. A control group received the phosphate buffered physiological saline solution. Furthermore, 1% methylcellulose solution group was set. The following changes occurred : a significant suppression in body weight gain rate and body weight gain rate in male of the 25 mg/kg and higher groups, sporadic decrease of food consumption in male of the 50 mg/kg group, no difference was found in food efficiency of each group. A significant increase in serum Na and Cl concentration were found in female of 25 mg/kg and higher groups.

No relation to the administration of the test substance were noted in general signs, water consumption, urinalysis, hematology, blood chemistry, autopsy and histopathology in both

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