

Exhibit C

0646 '03 FEB 25 P1:54

ACUTE TOXICITY STUDY

GOALS:

Assessment of the acute toxicity of the Padina Pavonica whole extract (AP 099301) in mice.

STUDY MATERIALS:

Animals: 40 NMRI male mice with standard health status were used. Average weight was 15 g. These animals were provided by IFFA CREDO breeding farm, Domaine des Oncins, 69210 L'ARBRESLE, France.

Quarantine: the animals were maintained under observation for a period of 8 days, during which various general testings were performed on the animals. They were thus given time to adapt themselves to their new housing conditions and their new diet.

Housing: the mice were housed in polypropylene cages (size 46.5*31*19 cm) equipped with dust-free sawdust.

Identification: the animals were identified with a sheet attached to each cage indicating the study number, batch number and starting date of the study.

Water and food: the animals were given tap water ad libidum each morning and pelleted feed (UAR) ad libidum every day.

Cleaning: the litter was changed on a daily basis and equipped with dust-free sawdust (LITALABO SPS).

Watering bottles were changed twice a week. The floor was washed each day with chlorinated water. The animal house was sterilized at least once a year, or whenever necessary.

METHOD:

Per os administration of the product as follows:

In the 10 animals of batch 1	25 mg per kg body weight i.e. 0.4 mg per animal
In the 10 animals of batch 2	250 mg per kg body weight i.e. 4 mg per animal
In the 10 animals of batch 3	1250 mg per kg body weight i.e. 20 mg per animal
In the 10 animals of batch 4	2500 mg per kg body weight i.e. 40 mg per animal

Mortality study performed for each batch 7 days after administration with calculation of LD0, LD10 and LD50.

Animals were put to death and histological samples were taken (at least kidney, liver).

RESULTS:

Mortality study performed 7 days after administration is summed up in table 1 hereafter. No mortality was observed 7 days after per os administration of the product, whatever the dose. Also, no alteration in the behavior of animals was observed.

Histological results showed nothing unusual.



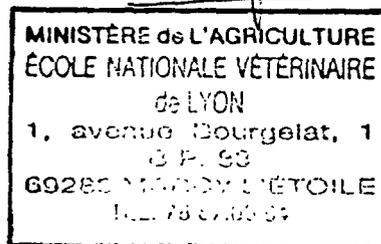
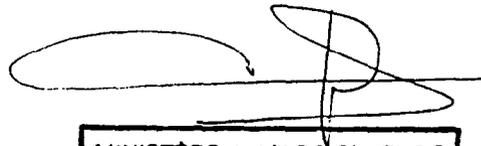
CONCLUSIONS:

No lethal effect for the single per os administration of product doses of Padina Pavonica whole extract at 0.4, 4, 20 and 40 mg per animal in mice.

No behavioral alterations further to the administration of the same doses.

Marcy, November 16,2000

Professeur Michel FRANCK



Batch number	Dose	Nb of animals alive before administration	Nb of animals alive after administration	Nb of dead animals
Batch 1	25 mg/kg	10	10	0
Batch 2	250 mg/kg	10	10	0
Batch 3	1250 mg/kg	10	10	0
Batch 4	2500 mg/kg	10	10	0

Table 1: Results for the single per os administration of *Padina Pavonica* whole extract (AP 099301).

