



## **COMMITTEE FOR VETERINARY MEDICINAL PRODUCTS**

### **FERTIRELIN ACETATE**

#### **SUMMARY REPORT**

1. Fertirelin acetate is a synthetic gonadotrophin releasing hormone intended for the treatment of ovarian follicular cysts in cattle and for the improvement of conception rates in this species.
2. Classical toxicology studies indicate that the compound has no activity after oral administration but effects that would be expected with this type of compound were noted after parenteral administration. The compound is a potent releaser of luteinising hormone and FSH in humans after intravenous administration but is rapidly cleared from the blood.
3. In laboratory species and food producing animals, fertirelin acetate is rapidly excreted and metabolised. The half-life in mammalian species is measured in minutes. In the target species, cattle, there was no accumulation of residues in edible tissues. It is not orally bioavailable and moreover the major metabolites are likely to be naturally occurring aminoacids arising as a result of enzymic breakdown in the gastrointestinal tract.
4. For the above reasons, it is recommended that a maximum residue limit is not required for fertirelin acetate and the compound be entered into Annex II.