



Dear Veterinarian,

Specialty Veterinary Pharmacy advises you to review the following passage concerning itraconazole oral compounding products. “Compounding capsules or solutions from bulk chemicals or powder likely will not yield dosage forms that are absorbed. The oral bioavailability and solubility of itraconazole is dependent upon complexation with cyclodextran molecules, a technology used in the brand (Sporanox ®) and generic commercially produced human drug products for Itraconazole, but not in compounded dosage forms. A recent study (Smith et al. 2010) demonstrated that Itraconazole compounded from the bulk chemical produces inferior blood levels in Blackfooted penguins compared to FDA-approved Itraconazole products. Inferior blood levels of Itraconazole may contribute to treatment failure and fatality if compounded Itraconazole is utilized in life threatening infections such as blastomycosis or pythiosis. Unless Itraconazole dosage forms are formulated from FDA-approved dosage forms. It is recommended *not to use compounded* Itraconazole products unless prepared from commercial capsules or documented bioavailability and stability are provided” (Plumb 561). Additionally, please be informed that the method that Specialty Veterinary Pharmacy uses in the preparation of itraconazole oral suspension products requires the use of bulk chemicals rather than Sporanox®.

Reference:

Plumb, Donald C. (2011). *Plumb's Veterinary Drug Handbook:Itraconazole (7th ed)*. Stockholm,Wisconsin. Pharma Vet Inc: 561.

Doctor Signature: _____

Print Name: _____

Date: _____

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