ORAP

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Recommended Citation

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**Trade Name:** Orap
**Generic Name:** Pimozone

**Classification:**
- Antipsychotic Therapeutics
- Antipsychotic, CNS Dopaminergic Receptor-Antagonist

**Uses:**
- Labeled: Orap treats Tourette's syndrome that is resistant to standard therapy.
- Unlabeled: The unlabeled use of Orap is to treat Schizophrenia and delusions of parasitosis.

**What the Body Does with the Drug After it Has Been Absorbed:**
Orap blocks the CNS dopaminergic receptors which results in suppression of the motor and phonic tics. Rap does so because it is a strong central dopamine antagonist that alters the release and turnover of the central dopamine stores.

**How the Body Takes in the Drug:**
Orap is administered orally. You must increase drug dose gradually, usually over 1-3 weeks until maintenance dose is reached.

**How the Body Breaks Down the Drug:**
40-50% of the medicine is slowly absorbed in the GI tract and then is metabolized in the liver.

**How the Body Eliminates the Drug:**
Orap is eliminated 80-85% in the urine and 15-20% in the feces.

**Molecules per Dose:**
(1mg)(1g/1000mg)(1 mol/461.56g)(6.02*10^23 molecules/1 mol)=1.304272467*10^18 molecules

**Chemical Formula:**
C_{23}H_{33}F_3N_6O

**Condensed Structure:**
![Condensed Structure Diagram]

**Chemical Names:**
1-[[4,4-Bis(4-fluorophenyl)butyl]-4-piperidinyl]-1,3-dihydro-2H-benzimidazol-2-one

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**Functional Groups Contribution:**
- Aromatic: hydrophobic, neither acid or base
- Halo: hydrophilic, neither acid nor base
- Amine: hydrophilic, base
- Amide: hydrophilic, neither acid nor base

**Referencias:**