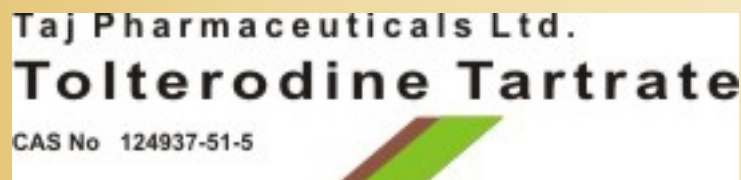
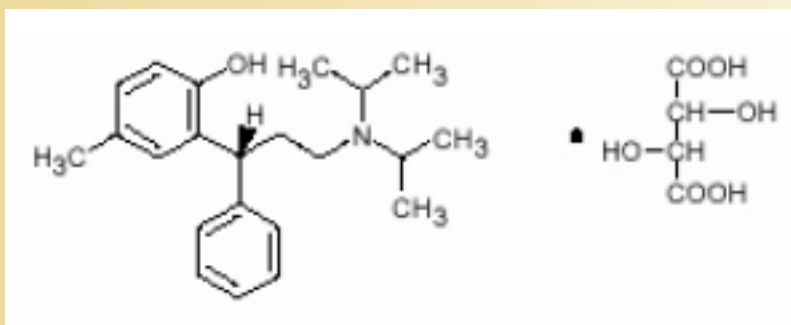


Tolterodine Tartrate (Cas No 124937-51-5)



Tolterodine Tartrate
CAS number 124937-51-5

Formula Structure :



Systematic (IUPAC) name
2-[(1S)-3-(diisopropylamino)-1-phenylpropyl]-4-methylphenol

Identifiers

CAS number 124937-51-5

ATC code G04BD07

PubChem 60774

DrugBank APRD00146

Chemical data

Formula C₂₂H₃₁NO Mol. mass 325.488 g/mol

Pharmacokinetic data

Bioavailability 77%

Protein binding Approximately 96.3%.

Metabolism

Half life 1.9-3.7 hours

Excretion

Tolterodine Tartrate. The active moiety, tolterodine, is a muscarinic receptor antagonist.

The chemical name of tolterodine tartrate is (R)-N,N- diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropanamine L-hydrogen tartrate.

The empirical formula of tolterodine tartrate is C₂₆H₃₇NO₇, and its molecular weight is 475.6. Tolterodine tartrate is a white, crystalline powder.

The pKa value is 9.87 and the solubility in water is 12 mg/mL. It is soluble in methanol, slightly soluble in ethanol, and practically insoluble in toluene.

The partition coefficient (Log D) between n- octanol and water is 1.83 at pH 7.3.