CLAIMS

What is claimed:

1. A ophthalmic emulsion comprising an active ingredient, the active ingredient consisting of a physiologically effective amount of testosterone, and castor oil ~~and a lipophilic vehicle wherein~~ said emulsion is suitable for topical administration to an eye; and wherein the testosterone is present in the emulsion in an amount from about 0.01 w/w % to about 0.30 w/w%.

2. The emulsion of claim 1 wherein testosterone is present in the ~~composition~~ emulsion in an amount from 0.01 w/w % to 0.10 w/w%.

3. The emulsion of claim 1 wherein testosterone is present in the ~~composition~~ emulsion in an amount from 0.01 w/w % to 0.05 w/w%.

4. The emulsion of claim 1, wherein the ~~composition~~ emulsion further comprises an additional constituent selected from the group consisting of a thickener, neutralizing agent,

emulsifier, buffering agent, tonicity agent, demulcent, preservative, plasticizer, occlusive agent, film former, and a combination thereof.

~~5. The emulsion of claim 1, further comprising an agent selected from the group consisting of an anti-inflammatory, antimicrobial, analgesic, anesthetic, lubricating agent, and a combination thereof.~~

5~~6~~. The emulsion of claim 1, further comprising a solubility enhancing agent.

~~7. The emulsion of claim 1, wherein the lipophilic vehicle is selected from the group consisting of castor oil, squalane, diethylene glycol monoethyl ether, isostearyl isostearate, isopropyl myristate, propylene glycol, mineral oil, silicone oil, cetyl alcohol, and stearyl alcohol.~~

~~8. The emulsion of claim 7, wherein the lipophilic vehicle is castor oil.~~

~~9. The emulsion of claim 1 wherein testosterone is present in the composition from 0.01 w/w % to 0.30 w/w%.~~

6~~10~~. The emulsion of claim 1~~9~~ wherein the castor oil~~lipophilic vehicle~~ is present in the ~~composition~~ emulsion in an amount of 0.25 w/w %.