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We Claim:

1. A composition for parenteral administration comprising 25-200mg/ml of Diclofenac or salts thereof, in 5-50% (wt/v) of diethylene glycol monoethyl ether and water.
2. The composition as claimed in claim 1, wherein Diclofenac salt is selected from Diclofenac sodium, Diclofenac potassium, Diclofenac diethylamine, Diclofenac diethanolamine or Diclofenac beta-dimethyl aminoethanol.
3. The composition as claimed in claim 1, wherein the concentration of benzyl alcohol is not more than 3% (v/v).
4. The composition as claimed in claim 1, wherein the composition also comprises solvents/ co-solvents and preservatives.
5. The composition as claimed in claim 4, wherein the solvents/ co-solvents and preservatives are selected from the group consisting of alcohols, parabens, sodium metabisulphite, sodium bisulphate, sodium sulphite, propylene glycol, thiomerosal, glycerol and thioglycerol or a combination thereof, ascorbyl palmitate, ascorbate, tocopherol alpha, alpha-tocopherol hydrogen succinate and mixture of tocopheryl derivatives, thioglycolate sodium.
6. The composition as claimed in claim 1, wherein the preservative is sodium metabisulphite and is present in a concentration between 0.1 - 1 %.
7. The composition as claimed in claim 1, wherein said composition comprises chelating agents selected from a group consisting of sodium EDTA (ethylenediaminetetra acetic acid), disodium EDTA, Calcium disodium EDTA, Calcium versetamide Na, Calteridol, DTPA (Diethylenetriaminepenta acetic acid).
8. The composition as claimed in claim 7, wherein the amount of chelating agent used is between 0.01-0.05%

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9. The composition as claimed in any preceding claim, wherein the composition is prepared as unit dose bolus injection or multi dose vials for administration.

10. The composition as claimed in any preceding claim, wherein the composition is prepared in 1 - 5 ml, preferably 1-3 ml of solution and may be further diluted prior to use.

11. The composition as claimed in any preceding claim, wherein the composition comprises 25-200mg of Diclofenac or salts thereof, 5-50% (wt/v) of transcutol in combination with water as a principal solvent in 1ml of solution.

12. The composition as claimed in any preceding claim, wherein pH of said composition is between 7.5-9.0.

13. The composition as claimed in claim 1, wherein said composition further comprises therapeutically effective amount of other pharmaceutically active ingredients selected from anti-inflammatory, analgesic, and/ or anti-pyretic agents.

14. The composition as claimed in claim 1, wherein said composition has a viscosity between about 1- about 5 cps 30°C.

15. The composition as claimed in claim 1, wherein said composition further comprising antioxidants selected from the group consisting of thioglycerols, acetyl cysteine, butylated hydroxyanisole (BHA) and butylated hydroxytoluene (BHT), ascorbates, ascorbyl palmitate, methylparaben, Propylparaben, thiomersal and mixed Tocopheryl ingredient.

16. The composition as claimed in claim 1, wherein the composition further comprises therapeutically effective amount of dicyclomine hydrochloride.

17. The composition as claimed in claim 1, wherein the composition further comprises therapeutically effective amount of paracetamol.

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18. A method of preparation of a composition comprising Diclofenac or salts thereof from 25 mg-200mg/ml in diethylene glycol monoethyl ether from 5-50% (wt/v) and , said method comprises:

    a. preparing an aqueous solution of diethylene glycol monoethyl ether;

    b. adding Diclofenac in said aqueous solution with constant stirring under nitrogen atmosphere;

    c. adjusting pH of said solution in a range of 7.5-9.0; and

    d. diluting said solution to achieve desired concentration of Diclofenac in said solution.

19. A method for treatment or prevention of pain and/or inflammation conditions like headache, sore throat, various musculoskeletal and joint disorders like rheumatoid arthritis, osteoarthritis, ankylosing spondylitis, peri-articular disorders like bursitis and tendinitis, soft tissue disorders like sprains and strains, painful condition such as renal colic, acute gout, dysmenorrhoea, migraine and some surgical procedures, in management of actinic keratosis and fever, post operative pain, for juvenile idiopathic arthritis, acute postoperative pain, intra-operative miosis, for treatment of inflammation after surgery, pain control of total hip replacement arthroplasty, using composition comprising Diclofenac or salts thereof from 25 mg-200mg/ml in 5-50% (wt/v) diethylene glycol monoethyl ether and water.

20. Use of a composition comprising Diclofenac or salts thereof from 25 mg-200mg/ml in 5-50% (wt/v) diethylene glycol monoethyl ether and water for the treatment or prevention of Prophylaxis of postoperative pain, Bursitis, Sprains and Strains, Tendinitis, Pain and inflammation associated with musculoskeletal and joint disorders, Acute gout, Dysmenorrhoea, Renal colic, Rheumatoid arthritis and for treatment of inflammation after surgery or during surgical procedures, pain control of total hip replacement arthroplasty.

We Claim:

1. An aqueous injectable composition comprising 25-200mg/ml of Diclofenac or salts thereof, in a solution of 5-50% (wt/v) of diethylene glycol monoethyl ether and water as a principal solvent.

2. The composition as claimed in claim 1, wherein Diclofenac salt is selected from Diclofenac sodium, Diclofenac potassium, Diclofenac diethylamine, Diclofenac diethanolamine or Diclofenac beta-dimethyl aminoethanol.

3. The composition as claimed in claim 1, wherein composition comprises benzyl alcohol in a concentration of not more than 3% (v/v).

4. The composition as claimed in claim 1, wherein the composition also comprises solvents/ co-solvents and preservatives.

5. The composition as claimed in claim 4, wherein the solvents/ co-solvents and preservatives are selected from the group consisting of alcohols, parabens, sodium metabisulphite, sodium bisulphite, sodium sulphite, propylene glycol, thiomerosal, glycerol and thioglycerol or a combination thereof, ascorbyl palmitate, ascorbate, tocopherol alpha, alpha-tocopherol hydrogen succinate and mixture of tocopheryl derivatives, thioglycolate sodium.

6. The composition as claimed in claim 1, wherein the preservative is sodium metabisulphite and is present in a concentration between 0.1 - 1 %.

7. The composition as claimed in claim 1, wherein said composition comprises chelating agents selected from a group consisting of sodium EDTA (ethylenediaminetetra acetic acid), disodium EDTA, Calcium disodium EDTA, Calcium versetamide Na, Calteridol, DTPA (Diethylenetriaminepenta acetic acid).

8. The composition as claimed in claim 7, wherein the amount of chelating agent used is between 0.01-0.05%

9. The composition as claimed in any preceding claim, wherein the composition is prepared as unit dose bolus injection or multi dose vials for administration.

10. The composition as claimed in any preceding claim, wherein the composition is prepared in 1 - 5 ml, preferably 1-3 ml of solution and may be further diluted prior to use.

11. The composition as claimed in any preceding claim, wherein the composition comprises 25-200mg of Diclofenac or salts thereof, 5-50% (wt/v) of transcutol in combination with water as a principal solvent in 1ml of solution.

12. The composition as claimed in any preceding claim, wherein pH of said composition is between 7.5-9.0.

13. The composition as claimed in claim 1, wherein said composition further comprises therapeutically effective amount of other pharmaceutically active ingredients selected from anti-inflammatory, analgesic, and/ or anti-pyretic agents.

14. The composition as claimed in claim 1, wherein said composition has a viscosity between about 1- about 5 cps at 30^{o}C.

15. The composition as claimed in claim 1, wherein said composition further comprising antioxidants selected from the group consisting of thioglycerols, acetyl cysteine, butylated hydroxyanisole (BHA) and butylated hydroxytoluene (BHT), ascorbates, ascorbyl palmitate, methylparaben, Propylparaben, thiomersal and mixed Tocopheryl ingredient.

16. The composition as claimed in claim 1, wherein the composition further comprises therapeutically effective amount of dicyclomine hydrochloride.

17. The composition as claimed in claim 1, wherein the composition further comprises therapeutically effective amount of paracetamol.

18. A method of preparation of an injectable aqueous composition comprising Diclofenac or salts thereof and diethyleneglycol monoethyl ether and , said method comprises:

    a. preparing an aqueous solution by adding 30-50 % of water to 5-50% (wt/v) of diethylene glycol monoethyl ether;

b. adding 25mg-200mg of Diclofenac in said aqueous solution with constant stirring under nitrogen atmosphere;

c. adjusting the pH of said solution in a range of 7.5-9.0; and

d. diluting said solution to achieve desired concentration of Diclofenac in said solution.

19. A method for treatment or prevention of pain and/or inflammation conditions like headache, sore throat, various musculoskeletal and joint disorders like rheumatoid arthritis, osteoarthritis, ankylosing spondylitis, peri-articular disorders like bursitis and tendinitis, soft tissue disorders like sprains and strains, painful condition such as renal colic, acute gout, dysmenorrhoea, migraine and some surgical procedures, in management of actinic keratosis and fever, post operative pain, for juvenile idiopathic arthritis, acute postoperative pain, intra-operative miosis, for treatment of inflammation after surgery, pain control of total hip replacement arthroplasty, using composition comprising Diclofenac or salts thereof from 25mg-200mg/ml in 5-50% (wt/v) diethylene glycol monoethyl ether and water as a principal solvent.

20. Use of a composition comprising Diclofenac or salts thereof from 25mg-200mg/ml in 5-50% (wt/v) diethylene glycol monoethyl ether and water as a principal solvent for the treatment or prevention of Prophylaxis of postoperative pain, Bursitis, Sprains and Strains, Tendinitis, Pain and inflammation associated with musculoskeletal and joint disorders, Acute gout, Dysmenorrhoea, Renal colic, Rheumatoid arthritis and for treatment of inflammation after surgery or during surgical procedures, pain control of total hip replacement arthroplasty.