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ABSTRACT

AN INJECTABLE PHARMACEUTICAL COMPOSITION CONTAINING A NON-STEROIDAL ANTI-INFLAMMATORY DRUG AND METHOD FOR PREPARING THE SAME

The present invention provides a stable pharmaceutical composition which contains an acetic acid class of non-steroidal anti-inflammatory drug (NSAID), a phosphate solution, an isotonic agent, and water. The pharmaceutical composition is particularly suitable for parenteral injection such as intravenous or intramuscular injection. The preferred NSAID is ketorolac tromethamine, which includes any racemic mixture of [-]S and [+]R ketorolac tromethamine. The preferred phosphate solution contains sodium phosphate monobasic (NaH_2PO_4) or potassium phosphate monobasic (KH_2PO_4), with or without crystalline water. The preferred isotonic agent is NaCl. The pharmaceutical composition is preferably at pH 6.0 to 8.5 and with osmolarity within 0.5 to 3.

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