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(57) Abstract :

The present invention discloses a novel pharmaceutical excipient- processed neem gum, to enhance drug solubility. Enhancing water solubility of drugs has lot of therapeutic and commercial benefits- it reduces toxicity and drug dosage. Reduction in dosage makes the process economical. Crude neem gum which is available commercially cannot be used as a pharmaceutical excipient since it is sticky and not suitable for use as a pharmaceutical excipient. However, after processing in the specific manner disclosed in the invention, the same becomes free flowing and capable of being used as an excipient. The process involves taking crude gum, grinding it and hydrating it in water for about 24-48 hrs hours followed by precipitation with pure ethanol. The precipitate is then filtered, washed with acetone and dried in hot air oven for 3-4 days to obtain free flowing powder, which is the product of present invention.

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