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(57) Abstract :

The present disclosure relates generally to pharmaceutical compositions. More specifically, the disclosure is directed to an intranasal nanoemulgel formulation for brain delivery of active component berberine hydrochloride, wherein the formulation comprises a carbomer and a nanoemulsion composition comprising berberine hydrochloride, calendula oil, a polysorbate and a polyoxyethylene-polyoxypropylene block copolymer. The formulation is biodegradable, has a regularity of drug release and permeates the blood brain barrier. The present disclosure also provides a process for manufacturing the formulation.

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