Accepted Manuscript

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PII: S0378-5173(18)30482-4

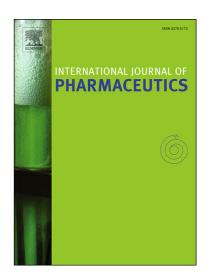
DOI: https://doi.org/10.1016/j.ijpharm.2018.07.014

Reference: IJP 17630

To appear in: International Journal of Pharmaceutics

Received Date: 24 February 2018

Revised Date: 2 July 2018 Accepted Date: 3 July 2018



Please cite this article as: N.A.H. Youssef, A.A. Kassem, R.M. Farid, F. Ismail, M.A.E. EL-Massik, N.A. Boraie, A novel nasal almotriptan loaded solid lipid nanoparticles in mucoadhesive *in situ* gel formulation for brain targeting: Preparation, characterization and *in vivo* evaluation, *International Journal of Pharmaceutics* (2018), doi: https://doi.org/10.1016/j.ijpharm.2018.07.014

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A novel nasal almotriptan loaded solid lipid nanoparticles in mucoadhesive in situ gel

formulation for brain targeting: Preparation, characterization and in vivo evaluation

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Keywords

Solid lipid nanoparticles; Precirol[®]; Mucoadhesion; Carboxymethyl cellulose; Brain targeting;

Biodistribution; Nasal Histopathology

Abstract

This work aimed at designing efficient safe delivery system for intranasal (IN) brain targeting

of the water soluble anti-migraine drug Almotriptan malate (ALM). Solid lipid nanoparticles

(SLNs) were prepared by w/o/w double emulsion-solvent evaporation method. Selection of

1

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