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REVIEWER'S REPORT

Manuscript No.: IJAR-57069

Title: Formulation and Evaluation of Taste-Masked Pregabalin Orodispersible Tablets Using 1 Eudragit E100 by Wet Granulation Technique.

Recommendation:

Accept as it is

Accept after minor revision...

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		Good		
Techn. Quality	Excellent			
Clarity	Excellent			
Significance	Excellent			

Reviewer's ID: Dr. Sumathi

Detailed Reviewer's Report

- 1. Pregabalin, often known by the brand name Lyrica, is a prescription medication used to treat neuropathic (nerve) pain, fibromyalgia, and as an add-on therapy for partial-onset seizures in adults. As an anticonvulsant and gabapentinoid, it works by calming overactive nerves. Common side effects include dizziness, drowsiness, and weight gain, and it is a controlled substance due to potential misuse.**
- 2. ODTs are designed to dissolve rapidly on the tongue without water, usually within 3 minutes. To take them, ensure hands are dry, place the tablet on the tongue, allow it to dissolve, and swallow with saliva. Do not chew or crush the tablet.**
- 3. It involves adding a combination of sweeteners (sucralose, aspartame) and flavors (orange, mint) to mask the unpleasant taste of low to moderately bitter actives. In addition, effervescent agents (sodium bicarbonate, citric acid) can also be added to improve the mouth feel.**
- 4. Wet granulation is a pharmaceutical process where powder particles are agglomerated using a liquid binder to form larger, denser granules. It improves flowability, increases bulk density, and ensures**

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uniform drug distribution. The process generally involves mixing, wetting, granulating, drying, and milling, making it ideal for creating high-quality, compressible tablets.

5. Superdisintegrants are specialized excipients used in low concentrations (typically 2–5% w/w) to facilitate rapid tablet disintegration (usually < 2 minutes) upon contact with water, enhancing drug dissolution and bioavailability. They operate primarily through swelling, wicking (capillary action), and deformation, and are crucial for fast-dissolving or mouth-dissolving tablets (FDTs/ODTs). Key examples include croscarmellose sodium, sodium starch glycolate, and crospovidone.
6. Patient compliance, or more commonly termed adherence, is the extent to which a patient follows medical advice, including medication, diet, and lifestyle changes. High compliance improves health outcomes, quality of life, and treatment efficacy, while non-adherence leads to disease progression, higher costs, and death.
7. Key words are good.
8. Tables are good but can be given graphs for values.
9. Summary points can be added.
10. Significant points are given.
11. References should be in alphabetical order.
12. After those changes good to publish in your journal.