



POLYVALENT PHARMACEUTICAL EXCIPIENT WITH SOLUBILIZATION, DESEGREGATION AND COMPRESSIVE PROPERTIES

Technology

- This excipient improves the solubility of poorly soluble active ingredients while improving their bioavailability (Simvastatine, Ibuprofen, Piroxicam...)
- This excipient shows excellent compressive properties making it an excipient of choice for tablets.
- This excipient presents alone, good desegregation properties (less than 15 minutes)



Benefits

- Able to solubilize most poorly soluble active ingredients.
- Promotes the tablets disintegration.
- Improves the bioavailability.
- Free Flowing properties to avoid the use of flowing agent.
- Able to be used as a single excipient.
- Direct compression can be envisaged.
- Taste masking properties.
- Usable with most active ingredients.
- Compatible with most of formulation technics (Freeze-drying, grinding, mixing ...)
- Release profile in accordance with the pharmacopoeia for immediate release drugs
- Such complexing properties that the ratio excipient / API can be substantially decreased thereby reducing the size of the tablet.

Applications

- Tablets
- Syrups
- Hydrogels

Keywords

- Excipient
- Solubility
- Bioavailability
- Compression

Intellectual Property

FR 15 58575
filed 2015/09/14

PCT/FR2016/052303
filed 2016/09/13

Development Status

- Transposition to a pilot batch carried out
- In vivo safety validated
- Performance of the excipient proven
- Toxicity study conducted in vivo and per os

Partnership

We are looking for a producer of pharmaceutical excipients, in capacity to put the product on the market and reach the end users.

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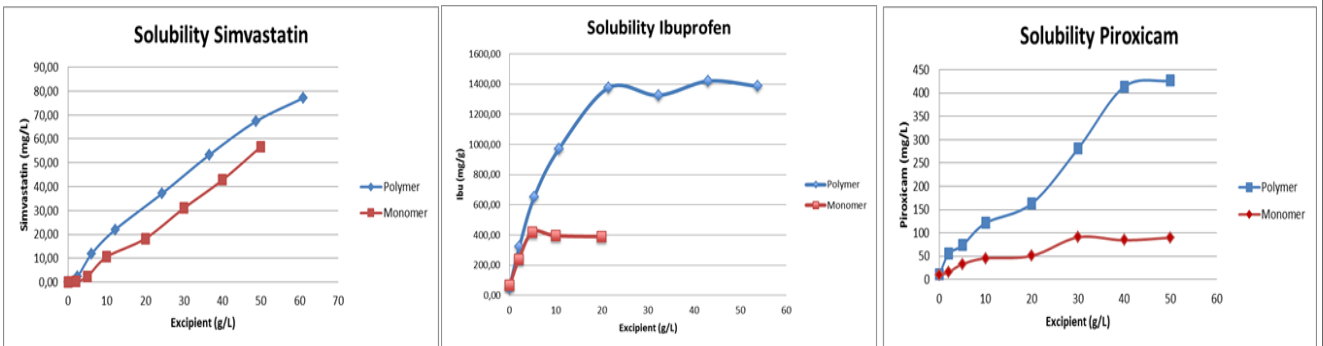
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SOLUBILITY TESTS:

Operating Conditions:

→ Agitation 24h at room temperature, pH 6, Analysis of the supernatant by HPLC with UV detector.

Results:



DISSOLUTION TESTS:

Operating Conditions:

→ Dissolution tests were conducted using a USPIV apparatus (Sotax™) in closed system mode
F = 50mL / min, 37 ° C, pH = 1 for Simvastatin and Ibuprofen, pH = 4 for Piroxicam

Results:

