

POVACOAT® (Polyvinyl alcohol-Acrylic acid-Methyl methacrylate copolymer) is a new pharmaceutical excipient used as the coating agent and binder.

The features of POVACOAT® are...

1. The POVACOAT® coating film has the effect of interception for both gas such as oxygen and unpleasant odor of the drug products, and in addition the effect of prevention for moisture is also expectable.
2. The dense coating film of POVACOAT® prevents occurrence of whiskers.
3. Since the adhesiveness of POVACOAT® to a tablet is strong, it can avoid exfoliation.
4. POVACOAT® coating tablets don't break because POVACOAT® stretches to cover swelling of the tablets.
5. The color of coating film doesn't fade.
6. POVACOAT® is a fast-dissolving excipient. It quickly dissolves or disperses in water to form a colloidal solution.

Safety

Huntingdon Life Sciences performed the safety testing of POVACOAT®.
NOAEL: 1000mg/kg/day

Master file

Drug Master File No.18033 (USA) (2005.1)
Master File (Japan) No.219MF20003 (2007.4)

Regulation

POVACOAT® was listed on the Japanese Pharmaceutical Excipients 2013.
Name: Polyvinyl Alcohol-Acrylic acid-Methyl methacrylate Copolymer
Administration route: Oral administration
Code No.: 109120

Usage conditions

The cold medicine for which POVACOAT® was used as a coating agent of an OTC tablet that was put on the market from Shionogi & Co., Ltd. in July, 2008.
POVACOAT® was used for the rabeprazole sodium tablets, the atorvastatin tablets, the donepezil hydrochloride OD tablets and the olopatadine hydrochloride tablets in Japan until now. Moreover, it was used for much OTC formulations.

Patents

- * Novel coating composition (for coating)
 - 4680061 (Japan) (Registration date 2011.2.10)
 - US 8,277,844 (USA) (Registration date 2012.10.2)
 - EP 1657265 (Europe) (Registration date 2012.10.17)
- * Novel coating composition (for binder, divisional application)
 - 5248564 (Japan) (Registration date 2013.4.19)
 - US 8,552,102 (USA) (Registration date 2013.10.8)
- * Novel base for dry solid dispersion, solid dispersion containing the base, and composition containing the dispersion
 - 5328643 (Japan) (Registration date 2013.8.2)
 - EP 2140883 (Europe) (Registration date 2012.10.31)
 - CN 200880012243.X (China) (Registration date 2012.11.21)

Contact us

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