

Coating

The present invention relates to coating, e.g. to coating of pharmaceutical tablets/tablet cores.

- 5 Pharmaceutical dosage forms for oral application of a pharmaceutically active compound include tablets. For administration of a pharmaceutically active compound in tablet form it is often necessary to mask an unpleasant, e.g. bitter, taste of a pharmaceutically active compound. One possibility for taste masking is film-coating with a film which is soluble in gastric juices by use of film-forming agents which results in film-coated tablets.
- 10 Film-forming agents are usually polymers which form a continuous, elastic and uniform covering, e.g. like a skin, around the tablet core which is at least partially detachable as a continuous layer. Such a film in a film-coated tablet, however, may provide a considerable barrier to the penetration of aqueous fluids into the tablet cores, which is a pre-requisite for disintegration of the tablet core and release of, e.g. sufficient amounts, of the
- 15 pharmaceutically active compound. Insufficient release of the pharmaceutically active compound may create problems, e.g. such as described for film-coated tablets comprising cefuroxime axetil as a pharmaceutically active compound from which it is known that a very thin layer of a film coating has to be applied to ensure sufficient release. Examination and control of such thin layers is difficult affording special and complex, but non-specific, testing
- 20 methods (e.g. film bursting test). Varying film thicknesses in different film-coated tablets within the same batch may not be excluded and the same release behaviour of cefuroxime axetil from different film-coated tablets comprising cefuroxime axetil may not be guaranteed for each tablet, even if originating from the same production batch.
- 25 We have now surprisingly found a process wherein a tablet core comprising a pharmaceutically active compound may be coated without the use of film-forming agents, whilst achieving satisfactory taste masking and avoiding the negative effect of a film coating on the release of the pharmaceutically active compound; and which provides a coated tablet which may directly be administered without further treatment. According to the
- 30 present invention a thin and complex coating is unnecessary because the coating according to the present invention does not provide a considerable barrier to the penetration of

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aqueous fluids into the tablet cores, and thus does not affect or prevent the disintegration of the tablet core.

In one aspect the present invention provides a process for the coating of tablet cores, e.g. including a normal tablet core and a dispersible tablet core, said tablet core comprising an effective amount of at least one pharmaceutically active compound, e.g. a pharmaceutically active compound having an unpleasant, e.g. bitter, taste, e.g. a pharmaceutically active compound is selected from antibiotics, such as penicillins, e.g. amoxicillin; e.g. amoxicillin alone or in combination with clavulanic acid; cephalosporins, e.g. cefuroxime axetil; macrolides such as erythromycins; antimigraines, e.g. sumatriptan, or antipsychotics, e.g. olanzapine; comprising spraying a coating solution or suspension comprising a sugar, e.g. including sugars, sugar alcohols; or a starch, e.g. including starch products and starch hydrolysates, or a mixture of a sugar and a starch, onto the tablet cores, with the proviso that film-forming agents in the suspension or solution are excluded, to obtain coated tablets, e.g. which are ready for administration without further treatment.

A pharmaceutically active compound according to the present invention includes all kind of pharmaceutically active compounds, preferably a compound having an unpleasant, e.g. bitter taste, e.g. a compound selected from antibiotics, e.g. including

- penicillins, e.g. including salts and/or solvates thereof, e.g. including amoxicillin, e.g. in the form of a trihydrate, e.g. amoxicillin alone or in combination with clavulanic acid or salts thereof, such as clavulanic acid in the form of a potassium salt; penicillin V, e.g. including therapeutically active derivatives, oxacillin, cloxacillin, flucoxacillin, dicloxacillin, ampicillin;
- cephalosporins, e.g. including salts and/or solvates thereof, such as cefaclor, cefixime, cephalexin, cephadrine, cefadroxil, cefroxadine, cefdinir, cefpodoxime proxetil, cefuroxime axetil;
- macrolides, e.g. including salts and/or solvates thereof, e.g. including erythromycins, such as erythromycin A, clarithromycin, azithromycin, roxithromycin.

antimigraines, e.g. including salts and/or solvates thereof, e.g. including sumatriptan; e.g. in the form of a hemisulfate, succinate; or antipsychotics, e.g. including salts and/or solvates thereof, e.g. including olanzapine; preferably cefuroxime axetil, cefpodoxime proxetil, amoxicillin, sumatriptan and olanzapine.

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A pharmaceutically active compound may be used in any known solid modification; e.g. cefuroxime axetil may be used in amorphous form, crystalline form and in the form of a solid solution in a polymer or a solid dispersion on an adsorbent wherein cefuroxime axetil is neither crystalline nor amorphous, e.g. obtainable by removing the solvent of a solution or a suspension of cefuroxime axetil and a polymer, or an adsorbent, respectively.

Antibiotics, antimigraines and antipsychotics as described above are disclosed e.g. in The Merck Index, 12th edition, items 7220-7229, 617, 2402, 7230-7232, 7036, 2480, 3134, 628, 1962, 1975, 2021, 2032, 1963, 1993, 1971, 1991, 2002, 3720, 8433, 2400, 946, 9172, 6959.

A tablet core as used herein relates to an uncoated tablet, comprising at least one pharmaceutically active compound. A tablet core useful according to the present invention may be in any geometrical form and shape and may be obtained according, e.g. analogously, to a method as conventional. A tablet core may comprise beside the pharmaceutically active compound pharmaceutically acceptable excipients, e.g. including excipients, such as binders, fillers, disintegrators, accelerators, flow conditioners, releasing agents, lubricants, wetting agents, preservatives, colorants, sugar, sugar substitutes, sweeteners, flavouring agents. A tablet core may be obtained as appropriate, e.g. may be obtained by mixing a pharmaceutically active compound with pharmaceutically acceptable excipients, e.g. including granulation, e.g. wet or dry granulation, equalizing (sieving) steps; and compressing the mixture obtained. For tablet core production a pharmaceutically active compound may be in any form, e.g. including ungranulated and granulated forms, extruded forms.

A tablet core comprises a tablet core of a normal tablet and a tablet core of a dispersible tablet, i.e. a rapidly disintegrating tablet. A dispersible tablet may e.g. be used for the production of a drink solution or suspension or may be administered as such. Generally dispersible tablets consists of pure tablet cores which are uncoated, e.g. due to the barrier for liquid penetration in case of film-coating which may not allow quick disintegration, e.g. further comprising in the tablet core sweeteners, sugars, flavourants and other ingredients which may e.g. allow a taste masking of an unpleasant, e.g. bitter tasting pharmaceutically active compound.

The coating mixture according to the present invention comprises a sugar, e.g. including one or more sugars, a starch, e.g. including one or more starches; or a sugar and a starch,

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including one or more sugars and one or more starches. A sugar includes all kind of sugars and compounds having a chemical structure derived from a chemical sugar structure, e.g. sugar alcohols, such as saccharose, lactose, mannitol. A starch includes all kind of starches, and compounds having a chemical structure derived from a starch, e.g. including
5 modified starches, such as potato starch, maize starch, soluble starches, starch hydrolysates, e.g. dextrins, maltodextrin, cyclodextrins. A coating mixture according to the present invention preferably comprises a sugar, e.g. one or more sugars and a starch, e.g. one or more starches. The coating mixture according to the present invention may additionally comprise parting agents, e.g. including talc, pigments, e.g. including titanium
10 oxide, colouring agents, sweeteners, e.g. including aspartame, flavouring agents, wetting agents, e.g. including Texapon®, polyoxyethylene sorbitan fatty acid esters, e.g. including POLYSORBATE 80®, , preservatives and lubricants, e.g. siliciumdioxide, e.g. Aerosil® and antifoaming agents, e.g. Simethicone USP. Film-forming agents are excluded.
A coating solution or suspension according to the present invention may be obtained
15 according, e.g. analogously, to a method as conventional, e.g. mixing a coating mixture according to the present invention with a liquid which is appropriate for spray coating, e.g. including water, organic, water-miscible solvent (mixture), or a mixture of water and organic water-miscible solvent (mixture). An organic water-miscible solvent (mixture) is a solvent (mixture) appropriate for spray coating e.g. and include a water-miscible solvent (mixture) as
20 conventional.

The tablet cores are coated with the solution or suspension of the coating mixture according to the present invention by spraying, e.g. as appropriate, e.g. according, e.g. analogously, to a method as conventional, e.g. using conventional spraying equipment.
25 The solution or suspension of the coating mixture is sprayed onto the tablet cores in an amount sufficient to cover, e.g. uniform, the surface of the tablet cores. The thickness of the coating is not critical, since the coating according to the present invention does not establish a barrier to water penetration of the coated tablet. Preferably the weight of the coat is 20% and less, more preferably 10% and less, e.g. 5% and less, such as 0.5 to 20%,
30 preferably 1 to 15%, of the weight of the coated tablet. It is preferred that the geometrical form or shape of the tablet core before coating is the same in the coated tablet after coating. A coated tablet according to the present invention may have very similar disintegrating characteristics and release characteristics of the pharmaceutically active compound as the tablet core has before coating.

In another aspect the present invention provides a process for the coating of tablet cores, e.g. including a normal tablet core and a dispersible tablet core; said tablet core comprising an effective amount of at least one pharmaceutically active compound,

5 comprising spraying a coating solution or suspension originating from a coating mixture consisting of a sugar, e.g. including sugars, sugar alcohols; or a starch, e.g. including starch products and starch hydrolysates, or a mixture of a sugar and a starch, and optionally of parting agents, and/or pigments, and/or colouring agents, and/or sweeteners, and/or flavouring agents, and/or wetting agents, and/or preservatives and/or lubricants (glidants)

10 and/or antifoaming agents, onto the tablet cores, to obtain coated tablets, e.g. which are ready for administration without further treatment.

Coated tablets obtained according to the present invention are novel.

15 In another aspect the present invention provides a coated tablet, e.g. including normal tablets and dispersible tablets, e.g. ready for administration without further treatment, comprising an effective amount of at least one pharmaceutically active compound, coated with a coating mixture consisting of a sugar, e.g. including sugars, sugar alcohols; or a starch, e.g. including starch products and starch hydrolysates, or a mixture of a sugar and a

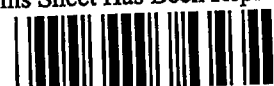
20 starch, and optionally of parting agents, and/or pigments, and/or colouring agents, and/or sweeteners, and/or flavouring agents, and/or wetting agents, and/or preservatives and/or lubricants and/or antifoaming agents.

A coating mixture used according to the present invention is novel.

25 In another aspect the present invention provides a coating mixture for the production of coated tablets, e.g. including normal tablets and dispersible tablets; e.g. ready for administration without further treatment, the tablet core of said coated tablet comprising an effective amount of at least one pharmaceutically active compound, wherein the coating

30 mixture consists of a sugar, e.g. including sugars, sugar alcohols; or a starch, e.g. including starch products and starch hydrolysates, or a mixture of a sugar and a starch, and optionally of parting agents, and/or pigments, and/or colouring agents, and/or sweeteners, and/or flavouring agents, and/or wetting agents, and/or preservatives and/or lubricants (glidants) and/or antifoaming agents.

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A dispersible tablet comprising a tablet core which comprises a pharmaceutically active compound and which tablet core is coated, are novel. We have found, that the disintegration time of a dispersible tablet core without a coating and of the corresponding
5 tablet core (identical) which is coated with a coating according to the present invention is very similar, e.g. practically the same.

In another aspect the present invention provides a dispersible tablet comprising a tablet core which comprises an effective amount of a pharmaceutically active compound, wherein
10 said tablet core is coated; e.g. coated with a coating mixture according to the present invention, e.g. and the disintegration time of the uncoated tablet is very similar to that of a corresponding coated tablet, e.g. both tablets containing the same ingredients in the same amounts, e.g. the disintegration time being determined according to standard methods; e.g. according to a method as described in Pharmacopoeias for disintegration tests, e.g. the
15 tablet of which the disintegration time is to be determined is put into water of neutral pH and of a temperature of 20°C for dispersible tablets or 37 °C for non-dispersible tablets, the tablet disintegration is determined visually and the disintegration time is determined.

A coated tablet core in a dispersible tablet may have several advantages:

- 20 - a coating according to the present invention may prevent disintegration of the tablet and release of the active compound already in the mouth of a patient as is possible with uncoated tablets on contact with saliva or another liquid which may be unpleasant for the patient;
- a coated dispersible tablet is better protected from environmental influences than an
25 uncoated tablet which may result in improved stability, higher shelf life and higher purity of the coated tablet, e.g. when storing;
- uncoated dispersible tablets may contain dust, e.g. originating from unavoidable abrasion, e.g. during packaging and transport, e.g. said dust comprising the pharmaceutically active compound; e.g. which may be unpleasant on administration; said abrasion and dust may
30 be prevented in a coated dispersible tablet according to the present invention.
- dispersible tablet according to the present invention may be used for the production of a drink solution or suspension avoiding the unfavourable behaviour of film-coated tablets which is that a standard film coating, due to its characteristic of forming a continuous skin-



like structure, remains in the liquid of the drink solution in the form of continuous pieces or segments of film.

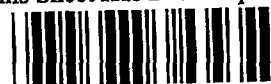
5 In another aspect the present invention provides the use of a coating mixture according to the present invention in the production of coated tablets, e.g. including normal tablets and dispersible tablets, which comprise in the tablet core an effective amount of at least one pharmaceutically active compound.

10 In another aspect the present invention provides tablets which contain an active ingredient having a bitter taste, characterised in that they are coated with sugars, sugar derivatives, sugar alcohols and their derivatives, such as saccharose, lactose or mannitol, all starches, starch products, starch derivatives, such as potato starch, soluble starch, and starch hydrolysates, such as dextrans, maltodextrin, cyclodextrins, whereby they may be used alone or in any combination with one another.

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In the following examples all temperatures are given in degree Celsius.

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General procedure - Spray coating

A homogenised suspension comprising a coating mixture is sprayed onto tablet cores until the tablet cores are uniformly covered with the coating. A coated tablet is obtained having the same geometrical shape as the tablet core before coating. The weight of the coating is less than 20 %, e.g. less than 10% of the weight of the coated tablet.

Example 1**Coated tablets comprising cefuroxime axetil granulate****A) Tablet cores**

Per tablet 608 mg of cefuroxime axetil, 243 mg of a polyvinylpyrrolidone polymer (Kollidone VA64®) and 6 mg of sodium-laurylsulphate (Texapon®) are dissolved in a mixture of acetone and water under gently heating. The solution obtained is spray dried and a granulate is obtained which is mixed per tablet with 110 mg of a Na-carboxymethylcellulose (Ac-di-Sol®), 30 mg of siliciumdioxide (Aerosil 200®) and 5 mg of magnesium stearate. The mixture obtained is compacted and the compacted material is broken up and equalised through a sieve. The equalised material obtained is mixed per tablet with 90 mg of mannitol (Pearlitol SD 20), 30 mg of microcrystalline cellulose (Avicel PH 200®), 40 mg of cross-linked polyvinylpyrrolidone (Polyplasdone®), 14 mg of talcum, 3 mg of magnesium stearate, 6 mg of sodium-laurylsulphate (Texapon®), 40 mg of a Na-carboxymethylcellulose (Ac-di-Sol®) and 6 mg of silicium dioxide (Aerosil 200®) and the mixture obtained is compressed to obtain tablet cores.

B) Coating

Tablet cores obtainable as described in example 1 A) are coated with the following coating mixtures (amounts in % (w/w) per total weight of the coating mixture):

- 1) Mannitol (21.4%), soluble starch (21.4%), silicium dioxide (Aerosil 200®) (2.0%), talcum (31.8%), titanium dioxide (21.4%), Aspartame (2.0%).

Mannitol and soluble starch are dissolved in water. The remaining components are suspended in the resulting solution which is homogenised. A homogenised suspension usable for spray-coating is obtained and coating is carried out and results are obtained as described under the General procedure above.

- 2) Mannitol (32%), soluble starch (20%), talcum (28%), titanium dioxide (18%), aspartame (2.0%).

Mannitol and soluble starch are dissolved in water. Talcum, titanium dioxide and aspartame are dispersed in water. The two resulting mixtures are combined and

homogenised. A homogenised suspension usable for spray-coating is obtained and coating is carried out and results are obtained as described under the General procedure above.

5 **Example 2**

Tablet cores obtainable as described in example 1 A) are coated with the following coating mixture (amounts in % (w/w) per total weight of the coating mixture):

Mannitol (60.6%), starch (6.1%), talcum (18.2%), titanium dioxide (12.1%), aspartame (2.6%), sodium-laurylsulphate (Texapon®) (0.4%)

- 10 Mannitol and aspartame are dissolved in water, and starch, pre-swollen in water, is stirred into the solution obtained. The resulting mixture is mixed with the remaining ingredients and the mixture obtained is homogenised. A homogenised suspension usable for spray-coating is obtained and coating is carried out and results are obtained as described under the General procedure above.

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Example 3

Coated tablets comprising cefuroxime axetil in amorphous form

A) Tablet cores

- Per tablet 608 mg of cefuroxime axetil in amorphous form (corresponding to 500 mg cefuroxime), 110 mg of microcrystalline cellulose, 80 mg of Na-Carboxymethylcellulose (Ac-di-Sol®) and 4 mg of magnesium stearate are mixed and the mixture obtained is compacted. The compacted material obtained is broken up and equalised through a sieve. The sieved material obtained is mixed per tablet with 60 mg of cross-linked polyvinylpyrrolidone polymer (Crospovidone®), 6 mg of silicium dioxide (Aerosil 200®), 20 mg of talcum, 4 mg of magnesium stearate and 9 mg of Sodium-laurylsulphate (Texapon®) and the mixture obtained is compressed to obtain tablet cores.
- 20
- 25

B) Coating

Tablet cores obtainable as described in example 3 A) are coated with the following coating mixture (amounts in % (w/w) per total weight of the coating mixture):

- 30 1. Mannitol (33.2%), starch (10.0%), lactose (19.9%), talcum (21.2%), titanium dioxide (14.1%), aspartame (1.4%), sodium-laurylsulphate (Texapon®) (0.2%)

Mannitol, lactose and aspartame are dissolved in water, and starch, pre-swollen in water, is stirred into the solution obtained. The resulting mixture is mixed with the remaining ingredients and the mixture obtained is homogenised. A homogenised suspension

usable for spray-coating is obtained and coating is carried out and results are obtained as described under the General procedure above.

2. Mannitol (26.7%), soluble starch (16.7%), maize starch (16.7%) talcum (22.5%), titanium dioxide (15%), aspartame (1.6%), simethicone USP (0.8%).

5 Maize starch is pre-swollen in water. Talcum, titanium dioxide, aspartame and simethicon USP are dispersed in the obtained mixture. Mannitol and soluble starch are dissolved in water. The two resulting mixtures are combined and homogenised. A homogenised suspension usable for spray-coating is obtained and coating is carried out and results are obtained as described under the General procedure above.

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Example 4

Tablet cores obtainable as described in example 3 A) are coated with the following coating mixture (amounts in % (w/w) per total weight of the coating mixture):

Mannitol (21.8%), soluble starch (21.8%), talcum (32.5%), titanium dioxide (21.8%),
15 aspartame (2.1%)

Mannitol and soluble starch are dissolved in water. The resulting mixture is mixed with the remaining ingredients and the mixture obtained is homogenised. A homogenised suspension usable for spray-coating is obtained and coating is carried out and results are obtained as described under the General procedure above.

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Example 5

Coated dispersible tablets comprising amoxicillin trihydrate

A) Tablet cores

Per tablet 1163 mg of amoxicillin trihydrate, 57 mg of microcrystalline cellulose and 3 mg of
25 magnesium stearate are mixed and the mixture obtained is compacted. The compacted material obtained is broken up and equalised through a sieve. The sieved material obtained is mixed per tablet with 120 mg of cross-linked polyvinylpyrrolidone polymer (Crospovidone®), 30 mg of talcum, 3 mg of silicium dioxide (Aerosil 200®), 4 mg of magnesium stearate, 2 mg of aspartame and 18 mg of a flavouring agent and the mixture
30 obtained is compressed to obtain tablet cores.

The tablet cores obtained show a disintegration time in water of 1.3 minutes at 20°.

B) Coating

Coating mixture (amounts in % (w/w) per total weight of the coating mixture)

Mannitol (17.9%), soluble starch (17.9%), maltodextrin (17.9%), talcum (26.7%), titanium dioxide (17.9%), aspartame (1.7%)

Mannitol, maltodextrin and soluble starch are dissolved in water. The resulting mixture is mixed with the remaining ingredients and the mixture obtained is homogenised. The

- 5 homogenised suspension obtained is sprayed onto the tablet cores obtained in step A). Uniform coated tablets are obtained having the same geometrical shape as the uncoated tablet core. The weight of the coating per tablet is less than 10% of the tablet weight. The coated tablets obtained show a disintegration time in water of 1.2 minutes at 20°. The disintegration time is determined according to standard methods as described above.

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Example 6

Coated tablets comprising sumatriptan in the form of a salt with succinic acid (sumatriptan succinate)

- 25 mg, 50 mg and 100 mg coated tablet cores comprising the ingredients (mg per tablet) as
15 set out in the TABLE below are prepared by wet granulating, mixing and compressing, according to a standard methods, to obtain tablet cores and coating the tablet cores obtained thus obtained with an aqueous suspension of a coating mixture containing the ingredients as set out in the TABLE below:

TABLE

CORE	Ingredient	mg/tablet		
		100 mg	50 mg	25 mg
	Sumatriptan succinate	140.00	70.00	35.00
	Lactose monohydrate	116.00	58.00	29.00
	Microcrystalline cellulose (Avicel 200®)	35.00	17.50	8.75
	Na-carboxymethylcellulose (Ac-Di-Sol®)	4.50	2.25	1.13
	Magnesium stearate	4.50	2.25	1.13
COATING MIXTURE		Percent weight per total coating		
	Maize starch	7.1 to 7.2		
	Mannitol	15.3		
	Soluble Starch	15.3		
	Lactose monohydrate	21.2 to 21.4		

	Ingredient	mg/tablet		
CORE		100 mg	50 mg	25 mg
	Polyoxyethylene sorbitan fatty acid (Polysorbate 80®)	3.5 to 3.7		
	Aspartame	1.5		
	Talcum	21.3 to 21.4		
	Titanium dioxide	14.2 to 14.3		
	Colourant	0 to 0.5		

Uniform coated tablets are obtained, with a coating weight of ca. 4% of the total coated tablet weight.

Example 7

5 Coated tablets comprising cefpodoxime proxetil

A) Tablet cores

Per tablet 260 mg of cefpodoxime proxetil (corresponding to 200 mg cefpodoxime), 42 mg of microcrystalline cellulose, 50 mg of Na-Carboxymethylcellulose (Ac-di-Sol®) and 3 mg of magnesium stearate are mixed and the mixture obtained is compacted. The compacted material obtained is broken up and equalised through a sieve. The sieved material obtained is mixed per tablet with 76 mg of Lactose, 3 mg of silicium dioxide (Aerosil 200®), 3 mg of magnesium stearate and 3 mg of Sodium-laurylsulphate (Texapon®) and the mixture obtained is compressed to obtain tablet cores.

B) Coating

15 Coating mixture (amounts in % (w/w) per total weight of the coating mixture)

Mannitol (26.5%), soluble starch (39.7%), talcum (18.6%), titanium dioxide (11.9%), aspartame (1.3%), simethicone USP (2.0%).

Mannitol and soluble starch are dissolved in water. Talcum, titanium dioxide, aspartame and simethicon USP are dispersed in water. The two resulting mixtures are combined and homogenised. A homogenised suspension usable for spray-coating is obtained and coating is carried out and results are obtained as described under the General procedure above.

Patent Claims

1. A process for the coating of tablet cores, said tablet core comprising an effective amount of at least one pharmaceutically active compound, comprising spraying a
5 coating solution or suspension comprising a sugar, or a starch, or a mixture of a sugar and a starch onto the tablets or tablet cores with the proviso that film-forming agents in the coating solution or suspension are excluded, to obtain coated tablets.
2. A process for the coating of tablet cores, said tablet core comprising an effective
10 amount of at least one pharmaceutically active compound, comprising spraying a coating solution or suspension originating from a coating mixture consisting of a sugar, or a starch, or a mixture of a sugar and a starch, and optionally of parting agents, and/or pigments, and/or colouring agents, and/or sweeteners, and/or flavouring agents, and/or wetting agents, and/or preservatives and/or lubricants (glidants) and/or
15 antifoaming agents, onto the tablets or tablet cores, to obtain coated tablets.
3. A coated tablet comprising an effective amount of at least one pharmaceutically active compound, coated with a coating mixture consisting of a sugar, or a starch, or a mixture of a sugar and a starch, and optionally of parting agents, and/or pigments, and/or
20 colouring agents, and/or sweeteners, and/or flavouring agents, and/or wetting agents, and/or preservatives and/or lubricants (glidants) and/or antifoaming agents.
4. A coating mixture for the production of coated tablets, the tablet core of said coated
25 tablet comprising an effective amount of at least one pharmaceutically active compound, wherein the coating mixture consists of a sugar, or a starch, or a mixture of a sugar and a starch, and optionally of parting agents, and/or pigments, and/or colouring agents, and/or sweeteners, and/or flavouring agents, and/or wetting agents, and/or preservatives and/or lubricants (glidants) and/or antifoaming agents.
- 30 5. Use of a coating mixture according to claim 4 in the production of coated tablets which comprise in the tablet core an effective amount of at least one pharmaceutically active compound.

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6. A dispersible tablet comprising a tablet core which comprises an effective amount of a pharmaceutically active compound, wherein said tablet core is coated.
7. A process, a coated tablet, a coating mixture, the use or a dispersible tablet according to any preceding claim wherein the pharmaceutically active compound has an unpleasant, taste.
8. A process, a coated tablet, a coating mixture, the use or a dispersible tablet according to claim 7, wherein the pharmaceutically active compound is selected from cefuroxime axetil, cefpodoxime proxetil, amoxicillin, sumatriptan or olanzapine.
9. A process, a coating mixture or the use according to any one of claims 1 to 2, 4 to 5 and 7 to 8, wherein a tablet core is a dispersible tablet core.
10. Tablets which contain an active ingredient having a bitter taste, characterised in that they are coated with sugars, sugar derivatives, sugar alcohols and their derivatives, such as saccharose, lactose or mannitol, all starches, starch products, starch derivatives, such as potato starch, soluble starch, and starch hydrolysates, such as dextrins, maltodextrin, cyclodextrins, whereby they may be used alone or in any combination with one another.



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