

Claims:

1. A pharmaceutical dosage form (1) for the application to a mucous membrane, in particular to a buccal, intestinal, rectal or vaginal mucous membrane, comprising
5 at least
one sheet like, in particular film shaped, foil shaped or wafer shaped, preparation (3) comprising the active pharmaceutical ingredient, a release mechanism (4) and a trigger mechanism (5), wherein
10 the trigger mechanism (5) is adapted to trigger, at a predetermined site of action, in particular of the gastrointestinal tract, of the rectum or of the vagina, the release of the sheet like preparation (3) by the release mechanism (4).
2. A pharmaceutical dosage form (1) according to claim 1, wherein the
15 pharmaceutical dosage form (1) further comprises a shell (2), wherein the shell (2) contains at least one sheet like, in particular film shaped, foil shaped or wafer shaped, preparation (3) comprising the active pharmaceutical ingredient, and wherein preferably the shell (2) or the trigger mechanism (5) comprises at least one aperture (6) through which a fluid surrounding the shell (2) can come into contact with the inner space (7) of
20 the shell (2), wherein preferably the aperture (6) is formed as a slit and/or the aperture (6) is at least partially covered by the trigger mechanism (5).
3. A pharmaceutical dosage form (1) according to one of the claims 1 to 2, wherein
the trigger mechanism (5) is adapted to trigger the release of the sheet like
25 preparation (3) by the release mechanism (4) after a contact of the pharmaceutical dosage form (1), in particular of the trigger mechanism (5), with a key stimulus and/or
the trigger mechanism (5) is adapted to trigger the release of the sheet like preparation (3) by the release mechanism (4) in a time controlled manner or immediately and/or
30 the release mechanism (4) is adapted to release the sheet like preparation (3) in a time controlled manner or immediately after triggering of the trigger mechanism (5).

4. A pharmaceutical dosage form (1) according to one of the claims 1 to 3, wherein the release mechanism (4) is an expansion mechanism (4), wherein preferably the expansion mechanism (4) is selected from the group comprising mechanical expansion system, gas driven expansion system, compressed foam or compressed tissue, and
5 wherein more preferably an expansion of the expansion mechanism (4) results in an opening of the shell (2).

5. A pharmaceutical dosage form (1) according to one of the claims 1 to 4, preferably claim 4, wherein the dosage form (1) contains the preparation (3) in a folded
10 form and, preferably, the expansion of the expansion mechanism (4) results in an unfolding of the preparation (3).

6. A pharmaceutical dosage form (1) according to one of the claims 1 to 5, wherein the shell (2) contains a gas-forming agent as the release mechanism (4), in particular as
15 the expansion mechanism (4), and the gas-forming agent is arranged in a part of the shell (2) that is opposed to the part of the shell (2) containing the preparation (3).

7. A pharmaceutical dosage form (1) according to one of the claims 1 to 6, wherein the shell (2), in particular the expansion mechanism (4), preferably mechanical
20 expansion system, comprises at least a first joint or lever element (13), preferably a hinge, and/or wherein the shell (2), in particular the expansion mechanism (4), preferably mechanical expansion system, comprises at least one spring element (10).

8. A pharmaceutical dosage form (1) according to one of the claims 1 to 7, wherein
25 the preparation (3) comprises a swelling agent (11) wherein the swelling agent (11) is preferably selected from the group comprising sponge and fibers.

9. A pharmaceutical dosage form (1) according to one of the claims 1 to 8, wherein the shell (2) at least comprises a first tube element (11), and preferably the shell (2) at
30 least comprises a further tube element (12), wherein preferably the second tube element (12) has a smaller tube diameter than the first tube element (11), and wherein preferably the second tube element (12) is arranged at least partially in the first tube element (11), and preferably the shell (2) further comprises a spring element (10), preferably a compression spring, wherein the spring element (10) is arranged such that the spring

element (10) can move the at least one second tube element (12) longitudinally relative to the first tube element (11).

10. A pharmaceutical dosage form (1) according to one of the claims 1 to 9, wherein
5 the shell (2), in particular the expansion mechanism (4), comprises at least a joint or lever element (13), and wherein preferably the shell (2), in particular the expansion mechanism (4), preferably mechanical expansion system, comprises at least a further joint or lever element (14), wherein preferably the first joint or lever element (13) and/or the further joint or lever element (14) is arranged at a free end of the shell (2).

10

11. A pharmaceutical dosage form (1) according to one of the claims 1 to 10, wherein
the first joint or lever element (13) and/or the further joint or lever element (14) is at least partially covered by the trigger mechanism (5) and/or wherein the at least one first joint or lever element (13) or the at least one further joint or lever element (14) is arranged
15 such that a joint or lever element (13, 14), in particular lever, of one end is arranged adjacent to a respective joint or lever element, in particular lever, of the other end.

12. A pharmaceutical dosage form (1) according to one of the claims 1 to 11, wherein:
the sheet like preparation (3) provides, after its release by the release mechanism (4), a
20 relatively large surface area, and preferably comes into contact with a relatively large surface area; and/or
the release mechanism (4) is adapted to release, at least partially, the sheet-like preparation (3) while moving along the mucous membrane.

25 13. A pharmaceutical dosage form (1) according to one of the claims 1 to 5 or claim 12, wherein:

the release mechanism (4) comprises a string member (3);
the string member (3) being expandable from a compact form, preferably a folded, collapsed, rolled or coiled up form, to an expanded form, preferably an unfolded, spread
30 out, opened up, elongated, stretched, unrolled or oblong form, upon activation of the release mechanism (4); and
the string member comprises, at least in the compact form, the sheet like preparation (3).

14. A pharmaceutical dosage form (1) according to one of the claims 1 to 5 or one of the claims 12 to 13, wherein:

the release mechanism (4) is an expansion mechanism (4), preferably elongation mechanism (4), adapted to expand, preferably unfold, elongate, uncoil, unroll or unwind,

5 the sheet like preparation (3) by leveraging an external movement, force or pressure.

15. A pharmaceutical dosage form (1) according to one of the claims 1 to 5 or one of the claims 12 to 14, wherein the trigger mechanism (5) is a holding device (5) that is a part of or is attached to the sheet like preparation (3).

10

16. A pharmaceutical dosage form (1) according to one of the claims 1 to 5 or one of the claims 12 to 15, in particular for the oral administration, wherein the trigger mechanism (5), in particular the holding device (5), is adapted to be fixed in an oral cavity, preferably to a tooth, to a tongue, to a lip or to an oral mucous membrane, and/or
15 to be held in a hand during administration, in particular swallowing, of the pharmaceutical dosage form (1).

17. A pharmaceutical dosage form (1) according to one of the claims 1 to 16, in particular for the oral administration, wherein, at least during the release of the sheet like preparation (3), the released portion of the sheet-like preparation (3) and the dosage form (1) move relatively to each other thereby defining a movement path (PM) of the dosage form (1), and the enveloping cross-sectional area (AD) of the dosage form (1), in particular of a swallowable part of the dosage form (1), preferably the shell (2), viewed in the direction of the movement path is larger than the enveloping cross-sectional
20 area (AP) of the released part of the sheet like preparation (3).

25