



Solid Dosage Forms

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1. Introduction

Dosage forms are pharmaceutical medication item in the frame in which they are advertised for utilize, with a particular blend of dynamic fixing and dynamic segments, in a particular setup for example tablets, containers and so forth **(1)**.

2. Solid Dosage Form

This is one type of physical dosage form. These drugs are mainly administrated orally in dry state. Some of the dosage forms of solids are shown below:

- Tablets
- Capsules
- Pills
- Pastilles
- Lozenges
- Cachets or powders

3. Tablets

A tablet is a hard, compressed medication in round, oval, square or many other shapes. Strong measurements frames contain unit dosage of at least one medicaments **(2,3)**.

There are different types of tablets. They are:

Tablets taken orally:

- Compressed tablet
- Multiple compressed tablet
- Repeat action tablet
- Delayed release tablet
- Sugar coated tablet
- Film coated tablet
- Chewable tablet

Tablets used in oral cavity:

- Buccal tablet
- Sublingual tablet
- Troches
- Dental cone

4. Capsules

A capsule is a medication in a gelatin shell. There are 2 types of shells **(2)**. They are:

- Hard shelled capsules
- Soft shelled capsules

4.1. Hard shelled capsule: These capsules are utilized generally for dry powdered ingredients.

4.2. Soft shelled capsule: These capsules are utilized for oils or for dynamic fixings that are suspended or dissolved in oils.

5. Pills

Pill is an oral measurement shape which comprises of circular masses arranged from at least one medicaments joined with idle excipients. Pills are rarely utilized solid dosage forms **(4-6)**.

6. Pastilles

They are strong cured readiness intended to disintegrate gradually in the mouth. They are milder than the capsules and their bases are either glycerol and gelatin or acacia and sugar **(5)**.

7. Lozenges

It is a strong arrangement comprising of sugar and gum, the last offering quality to the capsules and encouraging moderate arrival of the medicament **(3)**.

8. Powders

A pharmaceutical powder is a mixture of finely divided drugs and chemicals in the dry form. This is a solid dosage form of which medicament is meant for both internal and external use. These are available in both amorphous and crystalline form **(7)**. Powders are classified as:

- Bulk powders meant for internal use
- Bulk powders meant for external use
- Simple and compound powders meant for internal use
- Powders enclosed in cachets and capsules

8.1. Bulk powders meant for internal use: The powders which are utilized internally is said to be bulk powders for internal use.

8.2. Bulk powders meant for external use: These are non-potent substances which are meant for external purpose. These powders are said to be bulk powders for external use.

8.3. Simple and compound powders meant for internal use: In this form of powders, each individual dose is enclosed in paper. The ingredients used may be single (Simple) or more (compound).

8.4. Powders enclosed in cachets: Cachets are the solid unit dosage form of drug. These are utilized to place the powders. These are also called as wafer capsule.

9. Advantages of Solid Dosage Form

- These are more stable dosage forms.
- Less product spoilage during transportation.
- Less space is needed to store.

10. Disadvantages of Solid Dosage Forms

- Some patients like children cannot swallow.
- Some of the drugs resist into dense compacts, owing to their amorphous nature or flocculent, low-density character.

11. References

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