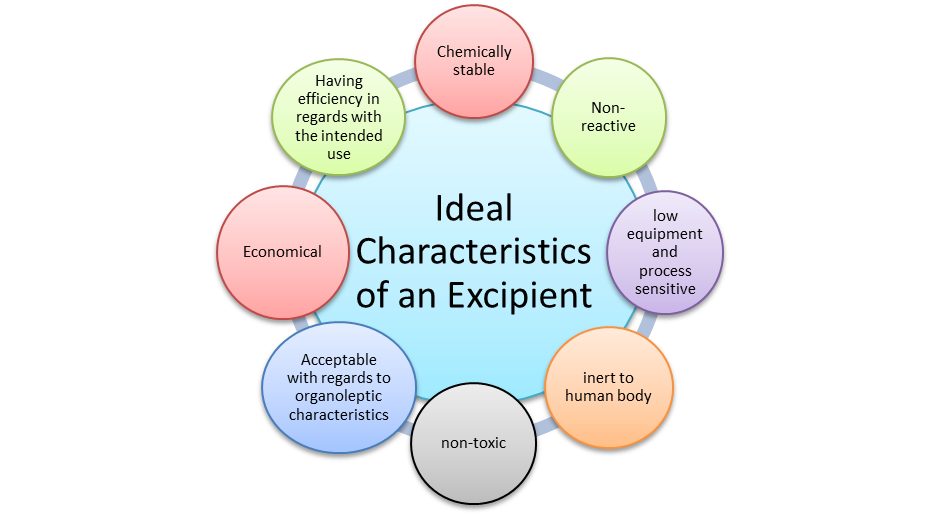
**SUPPLEMANTARY FILE**

|  |
| --- |
| **ROLE OF EXCIPIENTS** |
| **Assists in the production of the drug delivery system throughout manufacturing.** |
| **Safeguard, promote, or improve stability, bioavailability, or acceptability among patients** |
| **Aids in goods recognization and improve any aspect of safety as a whole** |
| **Helps in retaining the product's integrity during storage.** |
| **Increase the efficacy and/or delivery of the medicine in use.** |

**Figure S1. Role of excipients:** The figure indicates different roles of excipients in manufacturing and formulation [25]



**Figure S2. Ideal Properties:** The following figure shows ideal properties of excipients in the formulation [27]

|  |  |  |  |
| --- | --- | --- | --- |
| **SOLID DOSAGE FORMS** | **LIQUID DOSGE FORMS** | **SEMI-SOLID DOSAGE FORMS** | **NANO-FORMULATIONS** |
| * **Anti-adherents** * **Binders** * **Coating Agents** * **Disintegrants** * **Fillers** * **Lubricants** * **Glidants** * **Preservatives** * **Organoleptic Additives As Colours, Flavours, Sweeteners** | * **Solvents** * **Co-Solvents** * **Buffers** * **Preservatives** * **Wetting Agents** * **Surfactants** * **Anti-Foaming Agents** * **Thickening Agents** * **Plasticizers** | * **Bases/ Structure Forming Agents** * **Preservatives** * **Antioxidants** * **Solubilizers** * **Gelling Agents** * **Emollients** * **Penetration Enhancers** | * **Polymers** * **Lipids** * **Cross-linkers** * **Gelling Agents** * **Mucoadhesive Agents** * **Cryoprotectants** * **Preservatives** * **Stabilizers** |

**Figure S3. Classification of excipients:** Excipients play a pivotal role in the development and design of dosage form. These are used to enhance organoleptic properties and also the formulation of conventional and novel dosage forms.