

COMMON TECHNICAL DOCUMENT

Module 1: Administrative information

1.0 Cover Letter

1.1 Comprehensive Table of Contents

1.2 Application Form (Annex 1-1)

1.3 Product Information

1.3.1 SmPC, Labelling and Package Leaflet (also electronic versions in Microsoft Word format)

1.3.2 Mock-up (also electronic version in PDF)

1.3.3 Specimen

1.3.4 Consultation with Target Patient Groups /if available/

1.3.5 Product Information already approved in other countries

1.3.6 Braille /if available/

1.4 Information about the Experts

1.4.1 Quality

1.4.2 Non-Clinical

1.4.3 Clinical

1.5 Specific Requirements for Different Types of Applications

1.5.1 Information for Bibliographical Applications

1.5.2 Information for Generic, 'Hybrid' or Bio-similar Applications

1.5.3 (Extended) Data / Market Exclusivity /if available/

1.5.4 Exceptional Circumstances

1.5.5 Conditional Marketing Authorisation

1.6 Environmental Risk Assessment

1.6.1 Non-GMO

1.6.2 GMO

1.7 Information relating to Orphan Market Exclusivity

1.7.1 Similarity

1.7.2 Market Exclusivity /if available/

1.8 Information relating to Pharmacovigilance

1.8.1 Pharmacovigilance System

1.8.2 Risk-management System

1.9 Information relating to Clinical Trials

1.10 Information relating to Paediatrics

Additional Data

1.11 Manufacturing Authorisation(s) for all manufacturing sites involved in the manufacturing process of the medicinal product and the active substance issued by the competent authority of country of origin (original or verified copy).

1.12 GMP certificate(s) or other GMP statement(s) for all manufacturing sites involved in the manufacturing process of the medicinal product and the active substance issued by the competent authority of country of origin (original or verified copy).

1.13 Letters of access to Active Master File(s) or copy of Ph. Eur. Certificate(s) of suitability. Ph. Eur. Certificates of suitability for TSE.

1.14 Copy of written confirmation from the manufacturer of the active substance to inform the applicant in case of modification of the manufacturing process or specifications.

1.15 Written consent(s) of the competent authorities regarding GMO release in the environment.

1.16 Marketing Authorisation or Certificate of Pharmaceutical Product (CPP) or Registration certificate issued by the competent authority either of country of origin or the country of Marketing authorization holder (original or verified copy).

1.17 Worldwide registration status: Copies of Marketing Authorisations or tabular listing (marketing authorization number, date of authorization, country, trade name and etc.).

1.18 Information on patent protection (including Armenia).

1.19 Information on trade mark protection (including Armenia).

Module 2 Summaries

2.1 Table of Contents

2.2 Introduction

2.3 Quality Overall Summary – Introduction

2.3.1 Quality Overall Summary – Drug Substance

2.3.2 Quality Overall Summary – Drug Product

2.3.3 Quality Overall Summary – Appendices

2.3.4 Quality Overall Summary – additional Information

2.4 Nonclinical Overview

2.5 Clinical Overview

2.6 Nonclinical Written and Tabulated Summaries

2.6.1 Introduction

2.6.2 Pharmacology Written Summary

2.6.3 Pharmacology Tabulated Summary

2.6.4 Pharmacokinetics Written Summary

2.6.5 Pharmacokinetics Tabulated Summary

2.6.6 Toxicology Written Summary

2.6.7 Toxicology Tabulated Summary

2.7 Clinical Summaries

2.7.1 Summary of Biopharmaceutic and Associated Analytical Methods

2.7.2 Summary of Clinical Pharmacology Studies

2.7.3 Summary of Clinical Efficacy

2.7.4 Summary of Safety

2.7.5 References

2.7.6 Synopses of Individual Studies

Module 3 Quality

3.1 Table of Content

3.2 Body of Data

3.2.1 Drug Substance

3.2.1.1 General Information

3.2.1.1.1 Nomenclature

3.2.1.1.2 Structure

3.2.1.1.3 General Properties

3.2.1.2 Manufacture

3.2.1.2.1 Manufacturer(s)

3.2.1.2.2 Description of Manufacturing Process and Process Controls

3.2.1.2.3 Control of Materials

3.2.1.2.4 Controls of Critical Steps and Intermediates

3.2.1.2.5 Process Validation and/or Evaluation

3.2.1.2.6 Manufacturing Process Development

3.2.1.3 Characterisation

3.2.1.3.1 Elucidation of Structure and Other Characteristics

3.2.1.3.2 Impurities

3.2.1.4 Control of Drug Substance

3.2.1.4.1 Specification

3.2.1.4.2 Analytical Procedures

3.2.1.4.3 Validation of Analytical Procedures

3.2.1.4.4 Batch Analyses

3.2.1.4.5 Justification of Specification

3.2.1.5 Reference Standards or Materials

3.2.1.6 Container Closure System

3.2.1.6.1 Transport-packaging

3.2.1.6.2 Storage-conditions

3.2.1.6.3 Transport-conditions

3.2.1.6.4 Traceability

3.2.1.7 Stability

3.2.S.7.1 Stability Summary and Conclusions

3.2.S.7.2 Post-approval Stability Protocol and Stability Commitment

3.2.S.7.3 Stability Data

3.2.2 Drug Product

3.2.2.1 Description and Composition of the Drug Product

3.2.2.2 Pharmaceutical Development

3.2.2.2.1 Components of the Drug Product

3.2.2.2.1.1. Drug Substance

3.2.2.2.1.2. Excipients

3.2.2.2.2 Drug Product

3.2.2.2.2.1. Formulation Development

3.2.2.2.2.2 Overages

3.2.2.2.2.3 Physicochemical and Biological Properties

3.2.2.2.3 Manufacturing Process Development

3.2.2.2.4 Container Closure System

3.2.2.2.5 Microbiological Attributes

3.2.P.2.6 Compatibility

3.2.2.3 Manufacture

3.2.2.3.1 Manufacturer(s)

- 3.2.2.3.2 Batch Formula
- 3.2.3.3.3 Description of Manufacturing Process and Process Controls
- 3.2.2.3.4 Controls of Critical Steps and Intermediates
- 3.2.2.3.5 Process Validation and/or Evaluation
- 3.2.2.4 Control of Excipients
 - 3.2.2.4.1 Specifications
 - 3.2.2.4.2 Analytical Procedures
 - 3.2.2.4.3 Validation of Analytical Procedures
 - 3.2.2.4.4 Justification of Specifications
 - 3.2.2.4.5 Excipients of Human or Animal Origin
 - 3.2.2.4.6 Novel Excipients
- 3.2.2.5 Control of Drug Product
 - 3.2.2.5.1 Specification(s)
 - 3.2.2.5.2 Analytical Procedures
 - 3.2.2.5.3 Validation of Analytical Procedures
 - 3.2.2.5.4 Batch Analyses
 - 3.2.2.5.5 Characterisation of Impurities
 - 3.2.2.5.6 Justification of Specifications
- 3.2.6.6 Reference Standards or Materials
- 3.2.6.7 Container Closure System
- 3.2.6.8 Stability
 - 3.2.6.8.1 Stability Summary and Conclusion
 - 3.2.6.8.2 Post-approval Stability Protocol and Stability Commitment
 - 3.2.6.8.3 Stability Data
- 3.2.3 Appendices
- 3.3 Literature References

Module 4 Nonclinical Study Reports

4.1 Table of Content

4.2 Study Reports

4.2.1 Pharmacology

4.2.1.1 Primary Pharmacodynamics

4.2.1.2 Secondary Pharmacodynamics

4.2.1.3 Safety Pharmacology

4.2.1.4 Pharmacodynamic Drug Interactions

4.2.2 Pharmacokinetics

4.2.2.1 Analytical Methods and Validation Reports

4.2.2.2 Absorption

4.2.2.3 Distribution

4.2.2.4 Metabolism

4.2.2.5 Excretion

4.2.2.6 Pharmacokinetic Drug Interactions (nonclinical)

4.2.2.7 Other Pharmacokinetic Studies

4.2.3 Toxicology

4.2.3.1 Single-Dose Toxicity (in order by species, by route)

4.2.3.2 Repeat-Dose Toxicity (in order by species, by route, by duration, including supportive toxicokinetics evaluations)

4.2.3.3 Genotoxicity

4.2.3.3.1 In vitro

4.2.3.3.2 In vivo (including supportive toxicokinetics evaluations)

4.2.3.4 Carcinogenicity (including supportive toxicokinetics evaluations)

4.2.3.4.1 Long-term studies (in order by species, including range-finding studies that cannot be appropriately included under repeat-dose toxicity or pharmacokinetics)

4.2.3.4.2 Short- or medium-term studies (including range-finding studies that cannot be appropriately included under repeat-dose toxicity or pharmacokinetics)

4.2.3.4.3 Other studies

4.2.3.5 Reproductive and Developmental Toxicity

4.2.3.5.1 Fertility and early embryonic development

4.2.3.5.2 Embryo-foetal development

4.2.3.5.3 Prenatal and postnatal development, including maternal function

4.2.3.5.4 Studies in which the offspring (juvenile animals) are dosed and/or further evaluated

4.2.3.6 Local Tolerance

4.2.3.7 Other Toxicity Studies (if available)

4.2.3.7.1 Antigenicity

4.2.3.7.2 Immunotoxicity

4.2.3.7.3 Mechanistic studies (if not included elsewhere)

4.2.3.7.4 Dependence

4.2.3.7.5 Metabolites

4.2.3.7.6 Impurities

4.2.3.7.7 Other

4.3 Literature References

Module 5 Clinical Study Report

5.1 Table of Contents

5.2 Tabular Listing of All Clinical Studies

5.3 Clinical Study Reports and Related Issues

5.3.1 Reports of Biopharmaceutic Studies

5.3.1.1 Bioavailability (BA) Study Reports

5.3.1.2 Comparative BA and Bioequivalence (BE) Study Reports

- 5.3.1.3 In Vitro – In Vivo Correlation Study Reports
- 5.3.1.4 Reports Of Bioanalytical and Analytical Methods For Human Studies
- 5.3.2 Reports Of Studies Pertinent To Pharmacokinetics Using Human Biomaterials
 - 5.3.2.1 Plasma Protein Binding Study Reports
 - 5.3.2.2 Reports Of Hepatic Metabolism and Drug Interaction Studies
 - 5.3.2.3 Reports Of Studies Using Other Human Biomaterials
- 5.3.3 Reports Of Human Pharmacokinetic (PK) Studies
 - 5.3.3.1 Healthy Subject PK and Initial Tolerability Study Reports
 - 5.3.3.2 Patient PK and Initial Tolerability Study Reports
 - 5.3.3.3 Intrinsic Factor Pk Study Reports
 - 5.3.3.4 Extrinsic Factor Pk Study Reports
 - 5.3.3.5 Population Pk Study Reports
- 5.3.4 Reports Of Human Pharmacodynamic (PD) Studies
 - 5.3.4.1 Healthy Subject PD and PK/PD Study Reports
 - 5.3.4.2 Patient PD and PK/PD Study Reports
- 5.3.5 Reports Of Efficacy and Safety Studies
 - 5.3.5.1 Study Reports Of Controlled Clinical Studies Pertinent To The Claimed Indication
 - 5.3.5.2 Study Reports Of Uncontrolled Clinical Studies
 - 5.3.5.3 Reports of Analyses of Data from More than One Study
 - 5.3.5.4 Other Study Reports
- 5.3.6 Reports of Post-marketing Experience
- 5.3.7 Case Report Forms and Individual Patient Listings
- 5.4 Literature References