

DATA ANALYSIS

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Contents

- 1 Introduction and Scope
 - 2 Systemic Concentration–Time Profiles and Urinary Excretion
 - 2.1 Single Intravenous Dose
 - 2.2 Multiple Intravenous Doses
 - 2.3 Single Oral Dose
 - 2.4 Other Routes of Administration
 - 3 Pharmacokinetic Analysis
 - 3.1 Example 1: Intravenous Dosing
 - 3.2 Example 2: Oral Dosing
 - 4 Implications of Pharmacokinetics on Drug Discovery and Development
- References

1 INTRODUCTION AND SCOPE

Pharmacokinetic analysis of systemic (or blood or plasma) concentration–time data, or amount excreted in urine over various time intervals, represents a critical activity in the preclinical development of drug candidates. This chapter describes the common methods for analysis of such data in support of drug development efforts, with an emphasis on nonclinical drug discovery and development. Theoretical principles underlying pharmacokinetic data analysis are presented elsewhere in other chapters of this volume.