



## Profiles of drug substances, excipients and related methodology.

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editor

Monografía

Volumes in this widely revered series present comprehensive reviews of drug substances and additional materials, with critical review chapters that summarize information related to the characterization of drug substances and excipients. This organizational structure meets the needs of the pharmaceutical community and allows for the development of a timely vehicle for publishing review materials on this topic

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**Título:** Profiles of drug substances, excipients and related methodology. Volume forty one Recurso electrónico] edited by Harry G. Brittain

**Edición:** 1st ed

**Editorial:** Amsterdam Academic Press 2016

**Descripción física:** 1 online resource

**Tipo Audiovisual:** Drugs Excipients Medical / pharmacology

**Variantes del título:** Profiles of drug substances, excipients and related methodology. Volume 41

**Mención de serie:** Profiles of Drug Substances, Excipients, and Related Methodology 1871-5125

**Nota general:** Includes index

**Bibliografía:** Includes bibliographical references at the end of each chapter and index

**Contenido:** Front Cover; Profiles of Drug Substances, Excipients, and Related Methodology; Copyright; Contents; Preface to Volume 41; Chapter One: Bupropion Hydrochloride; 1. Description; 1.1. Nomenclature; 1.1.1. Systematic Chemical Name; 1.1.2. Nonproprietary Names; 1.1.3. Proprietary Names; 1.2. Formula; 1.2.1. Empirical Formula, Molecular Weight, CAS Number; 1.2.2. Structural Formula; 1.2.3. Stereochemical Description; 1.3. Elemental Analysis; 1.4. Appearance (Smell, Documented Taste); 1.5. Uses and Applications; 2. Method of Preparation; 2.1. Synthesis; 3. Physical Properties 3.1. Dissociation Constant 3.2. Solubility; 3.3. pH; 3.4. Partition Coefficient; 3.5. Hygroscopicity; 3.6. Crystallographic Properties; 3.6.1. Polymorphism; 3.6.2. Single-Crystal Structures; 3.6.3. XRPD Pattern; 3.7. Thermal Analysis; 3.7.1. Melting Behavior; 3.7.2. Differential Scanning Calorimetry and Thermogravimetric Analysis; 3.8. Spectroscopy; 3.8.1. Electronic Spectroscopy; 3.8.1.1. UV/VIS Spectroscopy; 3.8.2. Vibrational Spectroscopy; 3.8.2.1. NIR; 3.8.2.2. Fourier Transform IR; 3.8.2.3. Raman; 3.8.3.

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**Restricciones de acceso:** Acceso restringido a los miembros de la UAL

**ISBN:** 9780128051764 0128051760 9780128047842 0128047844

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