

PAT 委員会成果論文リスト

1. Yoshiteru Kato, Daisuke Sasakura, Tsuyoshi Miura, Akifumi Nagatomo, Katsuhide Terada. Evaluation of Risk and Benefit in the Application of Near-Infrared Spectroscopy to Monitor the Granule Coating Process, *Pharm. Dev. Tech.*, 13, 205-211 (2008)
2. Masatomo Ito, Tatsuya Suzuki, Shuichi Yada, Akira Kusai, Hiroaki Nakagami, Etsuo Yonemochi, Katsuhide Terada. Development of a method for the determination of caffeine anhydrate in various designed intact tablets by near-infrared spectroscopy: A comparison between reflectance and transmittance technique. *J. Pharm. Biomed. Anal.*, 47, 819-827 (2008)
3. Masatomo Ito, Tatsuya Suzuki, Shuichi Yada, Hiroaki Nakagami, Hiroshi Teramoto, Etsuo Yonemochi, Katsuhide Terada, Development of a method for nondestructive NIR transmittance spectroscopic analysis of acetaminophen and caffeine anhydrate in intact bilayer tablets *J. Pharm. Biomed. Anal.* 53, 396-402 (2010)
4. Masatomo Ito, Tatsuya Suzuki Naoki Wakiyama Hiroshi Teramoto, Etsuo Yonemochi, Katsuhide Terada. Development of a Rapid Process Monitoring Method for Dry-Coated Tableting Process by Using Near-Infrared Spectroscopy. *Chem. Pharm. Bull.*, 59, 868-873 (2011)
5. Wataru Momose, Keiji Imai, Shoji Yokota, Etsuo Yonemochi, Katsuhide Terada. Process analytical technology applied for end-point detection of pharmaceutical blending by combining two calibration-free methods: Simultaneously monitoring specific near-infrared peak intensity and moving block standard deviation, *Powder Tech.*, 210, 122-131 (2011)
6. Wataru Momose, Hiroyuki Yoshino, Yoshifumi Katakawa, Kazunari Yamashita, Keiji Imai, Kazuhiro Sako, Eiji Kato, Akiyoshi Irisawa, Etsuo Yonemochi, Katsuhide Terada. Applying terahertz technology for nondestructive detection of crack initiation in a film-coated layer on a swelling tablet. *Results in Pharma Sciences*, 2, 29-37 (2012)
7. Hiroshi Nakagawa, Takahiro Tajima, Manabu Kano, Sanghong Kim, Shinji Hasebe,

Tatsuya Suzuki, and Hiroaki Nakagami. Evaluation of Infrared-Reflection Absorption Spectroscopy Measurement and Locally Weighted Partial Least-Squares for Rapid Analysis of Residual Drug Substances in Cleaning Processes. *Anal. Chem*, 84, 3820-3826 (2012)