

**Journal:** *Drug Metabolism & Disposition*

**Article:** DMD-AR-2024-001643

**Development and verification of a full physiologically-based pharmacokinetic model for sublingual buprenorphine in healthy adult volunteers that accounts for nonlinear bioavailability**

Matthijs W. van Hoogdalem, Ryota Tanaka, Trevor N. Johnson, Alexander A. Vinks, Tomoyuki Mizuno

*Division of Translational and Clinical Pharmacology, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, USA (M.W.v.H., R.T., A.A.V., T.M.); James L. Winkle College of Pharmacy, University of Cincinnati, Cincinnati, Ohio, USA (M.W.v.H.); Certara UK Limited, Sheffield, UK (T.N.J.); Department of Pediatrics, College of Medicine, University of Cincinnati, Cincinnati, Ohio, USA (A.A.V., T.M.); Center for Addiction Research, College of Medicine, University of Cincinnati, Cincinnati, Ohio, USA (A.A.V., T.M.)*

**Figure S1.** Relative contributions of individual metabolic and elimination pathways involved in the clearance of buprenorphine.

