Long-Acting Injectable Dose Prediction: Where Are We Really? Authors: Adam Mitchinson, Jake Dickinson, Linette Ruston, Claire Patterson, Paul Dickinson

- development?





ufficiently validated intramuscular (IM)



- simulations prior even to preclinical *in vitro* testing (see *Fig. 1*).
- preclinical stage.







E: enquiries@sedapds.com W: www.sedapds.com



[1] Dubbelboer, I.R. and Sjögren, E., 2022. International Journal of Pharmaceutics, 621, p.121808. [2] Bannigan, P., Bao, Z., Hickman, R.J., Aldeghi, M., Häse, F., Aspuru-Guzik, A. and Allen, C., 2023. Nature communications, 14(1), p.35. [3] Samtani, M.N., Vermeulen, A. and Stuyckens, K., 2009. *Clinical pharmacokinetics*, 48, pp.585-600.

Seda Pharmaceutical Development Services® is the business name and registered trademark of SEDA Pharma Development Services Ltd, a company incorporated in England and Wales with registered number: 9442533 and registered office: 4 Oakfield Road, Cheadle Royal Business Park, Cheadle, UK, SK8 3GX. @Copyright 2015-2025