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Khor, P.Y.[a b] , Mohd Aluwi, M.F.F.[c] , Rullah, K.[d] , Lam, K.W.[b]

Insights on the synthesis of asymmetric curcumin derivatives and their biological activities
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[a] Faculty Pharmacy and Health Sciences, Universiti Kuala Lumpur, Royal College of Medicine Perak, 3, Jalan Greentown, Ipoh, Perak 30450, Malaysia
[b] Drugs and Herbal Research Centre, Faculty of Pharmacy, Universiti Kebangsaan Malaysia, Jalan Raja Muda Abdul Aziz, Kuala Lumpur, 50300, Malaysia
[c] Faculty of Industrial Science & Technology, Universiti Malaysia Pahang Lebuhraya Tun Razak, Gambang, Pahang 26300, Malaysia
[d] Department of Pharmaceutical Chemistry, Kulliyyah of Pharmacy, International Islamic University Malaysia, Bandar Indera Mahkota, Kuantan, Pahang 25200, Malaysia

Abstract
Curcumin is a small organic molecule with pleiotropic biological activities. However, its multiple structural-pharmacokinetic challenges prevent its development into a clinical drug. Various structural modifications have been made to improve its drug profile. In this review, we focus on the methods adopted in the synthesis of asymmetric curcumin derivatives and their biological activities and forecast the future of this exciting class of compounds in the field of medicine. © 2019 Elsevier Masson SAS

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Correspondence Address
Lam K.W.; Drugs and Herbal Research Centre, Faculty of Pharmacy, Universiti Kebangsaan Malaysia, Jalan Raja Muda Abdul Aziz, Malaysia; email: david_lam@ukm.edu.my

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