

Article

## Coral-Derived Compound WA-25 Inhibits Angiogenesis by Attenuating the VEGF/VEGFR2 Signaling Pathway

Shih-Wei Lin <sup>1,†</sup>, Shih-Chung Huang <sup>2,3,†</sup>, Hsiao-Mei Kuo <sup>4</sup>, Chiu-Hua Chen <sup>5</sup>, Yi-Ling Ma <sup>6,7</sup>, Tian-Huei Chu <sup>2</sup>, Youn-Shen Bee <sup>8</sup>, E-Ming Wang <sup>6</sup>, Chang-Yi Wu <sup>6</sup>, Ping-Jyun Sung <sup>9</sup>, Zhi-Hong Wen <sup>1,10</sup>, Deng-Chyang Wu <sup>11,12,13</sup>, Jyh-Horng Sheu <sup>1,10,14,\*</sup> and Ming-Hong Tai <sup>1,2,11,\*</sup>

<sup>1</sup> Doctoral Degree Program in Marine Biotechnology, National Sun Yat-Sen University and Academia Sinica, Kaohsiung 804, Taiwan; E-Mails: shiwey@yahoo.com.tw (S.-W.L.); wzh@mail.nsysu.edu.tw (Z.-H.W.)

<sup>2</sup> Institute of Biomedical Sciences, National Sun Yat-sen University, Kaohsiung 804, Taiwan; E-Mails: sghung@hotmail.com (S.-C.H.); skbboyz0817@gmail.com (T.-H.C.)

<sup>3</sup> Department of Internal Medicine, Kaohsiung Armed Forces General Hospital, Kaohsiung 802, Taiwan

<sup>4</sup> Mitochondrial Research Unit, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung 833, Taiwan; E-Mail: hsiaomeikuo@gmail.com

<sup>5</sup> Division of Nephrology Department of Internal Medicine, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung 833, Taiwan; E-Mail: becky0917@yahoo.com.tw

<sup>6</sup> Department of Biological Sciences, National Sun Yat-Sen University, Kaohsiung, Taiwan; E-Mails: ylma@vghks.gov.tw (Y.-L.M.); emwang@vghks.gov.tw (E.-M.W.); cywu@mail.nsysu.edu.tw (C.-Y.W.)

<sup>7</sup> Division of Nephrology, Kaohsiung Veterans General Hospital, Kaohsiung 813, Taiwan

<sup>8</sup> Department of Ophthalmology, Kaohsiung Veterans General Hospital, Kaohsiung 804, Taiwan; E-Mail: ysbee@vghks.gov.tw

<sup>9</sup> National Museum of Marine Biology and Aquarium, Pingtung 944, Taiwan; E-Mail: pjsung@nmmba.gov.tw

<sup>10</sup> Department of Marine Biotechnology and Resources National Sun Yat-Sen University, Kaohsiung 804, Taiwan

<sup>11</sup> Center for Stem Cell Research, Kaohsiung Medical University, Kaohsiung 807, Taiwan; E-Mail: dechwu@yahoo.com

<sup>12</sup> Division of Gastroenterology, Department of Internal Medicine, Kaohsiung Medical University Hospital, Kaohsiung 807, Taiwan

<sup>13</sup> Department of Medicine, Faculty of Medicine, College of Medicine, Kaohsiung Medical University, Kaohsiung 807, Taiwan