

Support information

Hydrothermal synthesis of carbon nanodots from waste wine cork and their use in biocompatible fluorescence imaging

Ngo Khoa Quang¹, Nguyen Ngoc Hieu^{2,3}, Vo Van Quoc Bao⁴, Vo Thi Phuoc¹, Le Xuan Diem Ngoc¹, Luong Quang Doc¹, Nguyen Minh Tri¹, Le Vu Truong Son⁵, Le Van Thanh Son⁵, Che Thi Cam Ha¹

1. University of Sciences, Hue University, 77 Nguyen Hue, Hue, Vietnam;

2. Faculty of Environmental and Natural Sciences, Duy Tan University, Da Nang, 550000, Vietnam;

3. Institute for Research and Training in Medicine, Biology and Pharmacy, Duy Tan University, Da Nang, 550000, Vietnam;

4. University of Agriculture and Forestry, Hue University, 102 Phung Hung, Hue, Vietnam;

5. University of Science and Education, The University of Da Nang, 459 Ton Duc Thang, Lien Chieu, Da Nang, Vietnam

The simple hydrothermal carbonization method was employed to synthesize carbon nanodots from a wine cork. The obtained product presented multi colorful fluorescence under different excitation wavelengths. The product has been successfully applied in mesenchymal stem cells for bioimaging.

