

Photodynamic Therapy by Sulfonated Zinc Phthalocyanines

Ichiro Okura

Faculty of Bioscience and Biotechnology, Tokyo Institute Technology

Water-soluble zinc phthalocyanines substituted with different number of sulfonic acid groups were synthesized. ZnSPc_{mix} was readily incorporated in HeLa cells. Irradiation of HeLa cells with ZnSPc_{mix} resulted in cell damaged.

The cellular morphological changes due to irradiation were observed using SEM.