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Padeliporfin

National Cancer Institute

Source

National Cancer Institute. *Padeliporfin*. NCI Thesaurus. Code C78481.

A vascular-acting photosensitizer consisting of a water-soluble, palladium-substituted bacteriochlorophyll derivative with potential antineoplastic activity. Upon administration, padeliporfin is activated locally when the tumor bed is exposed to low-power laser light; reactive oxygen species (ROS) are formed upon activation and ROS-mediated necrosis may occur at the site of interaction between the photosensitizer, light and oxygen. Vascular-targeted photodynamic therapy (VTP) with padeliporfin may allow tumor-site specific cytotoxicity while sparing adjacent normal tissues.