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Graphical Abstract

Synthesis, characterization, antioxidant and antitumor evaluation of new phthalocyanines containing peripherally functionalized fused heterocyclic compounds

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SUMMARY

Novel phthalocyanines was synthesized. The synthesized compounds were screened for their antioxidant and cytotoxicity activity. Compounds 13 and 14 are the most active compound against antioxidant and cytotoxicity activity.

Phthalic anhydride derivatives

Phthalocyanine derivatives

Phthalonitrile derivatives

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