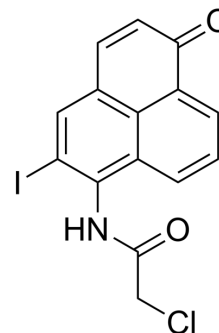


SRE-II

Cat. No.:	HY-155070
Molecular Formula:	C ₁₅ H ₉ ClINO ₂
Molecular Weight:	397.59
Target:	DNA/RNA Synthesis; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

SRE-II, an amide derivative, is an activatable photosensitizer for photodynamic cancer research with decreased fluorescence and photosensitizing capabilities. SRE-II can be further converted into the active photosensitizer SDU Red via carboxylesterase-catalyzed amide bond cleavage. SRE-II induces DNA damage and cell apoptosis in the presence of light. SRE-II can act as a promising theranostic agent for triple-negative breast cancer^[1].

REFERENCES

[1]. Qiaoyun Jiang, et al. Lysosome-targeting phenalenones as efficient type I/II photosensitizers for anticancer photodynamic therapy. *Eur J Med Chem.* 2023 Jul 5;255:115418.

Caution: Product has not been fully validated for medical applications. For research use only.

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