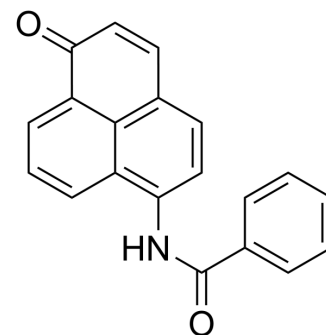


Benz-AP

Cat. No.:	HY-147915
CAS No.:	2416220-53-4
Molecular Formula:	C ₂₀ H ₁₃ NO ₂
Molecular Weight:	299.32
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Benz-AP is a potent photosensitizer. Benz-AP produces singlet oxygen, with a negative correlation with hCES2 (Human carboxylesterase 2) activity. Benz-AP displays a higher photocytotoxicity potency in cancer cells under low hCES2 environments. Upon TPE (Two-photon excitation), Benz-AP produces ROS and kills cancer cells and tumor spheroids^[1].

REFERENCES

[1]. Kailass K, et al. Two-Photon Photodynamic Therapy Targeting Cancers with Low Carboxylesterase 2 Activity Guided by Ratiometric Fluorescence. J Med Chem. 2022 Jun 14.

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

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