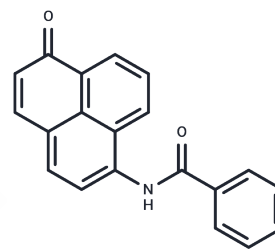


## Benz-AP

## Chemical Properties

CAS No. :	2416220-53-4
Formula:	C <sub>20</sub> H <sub>13</sub> NO <sub>2</sub>
Molecular Weight:	299.32
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Benz-AP, a potent photosensitizer, generates singlet oxygen inversely related to Human carboxylesterase 2 (hCES2) activity, showcasing enhanced photocytotoxicity in cancer cells within low hCES2 environments. Moreover, upon Two-photon excitation (TPE), Benz-AP induces the production of reactive oxygen species (ROS), effectively killing cancer cells and tumor spheroids [1].
Targets(IC50)	Others,Reactive Oxygen Species,Lipid

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3409 mL	16.7045 mL	33.4091 mL
5 mM	0.6682 mL	3.3409 mL	6.6818 mL
10 mM	0.3341 mL	1.6705 mL	3.3409 mL
50 mM	0.0668 mL	0.3341 mL	0.6682 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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