

TPAPyN

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	TPAPyN is a nitroreductase (NTR) responsive type I photosensitizer (photosensitizer). It aids in imaging and image-guided photodynamic therapy (PDT) of hypoxic cancer cells. In aqueous environments, TPAPyN is non-fluorescent, but upon NTR cleavage of the nitrofuranyl quencher, it regains fluorescence and triggers aggregation-induced emission. TPAPyN serves as a fluorescent probe for hypoxic cancer-specific imaging.
Targets(IC50)	Photosensitizer

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