Data Sheet (Cat.No.T78420)

TargetMol

3-MeOARh-NTR

Chemical Properties

CAS No. :

Formula: C33H30N3O8+

Molecular Weight:

Storage: Keep away from direct sunlight
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	3-MeOARh-NTR is an activatable imaging probe characterized by high selectivity and stability, offering a high signal-to-noise ratio specifically for nitroreductase (NTR) detection. It serves as an efficient molecular tool for identifying endogenous NTR [1].
Targets(IC50)	Others
In vitro	The chemical compound 3-MeOARh-NTR at a concentration of 10 μM with a 30-minute incubation time produced a strong fluorescent signal in live HeLa cells subjected to hypoxia by pre-incubation in 20% and 10% O_2 for 12 hours [1]. Additionally, the same concentration of 3-MeOARh-NTR facilitated fluorescence imaging in mouse kidney tissue, utilizing an excitation wavelength of 488 nm and emission range of 510-590 nm. 3-MeOARh-NTR is an effective probe for detecting and evaluating renal hypoxia via NTR assessment [1].

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