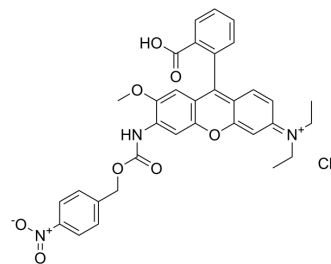


## 3-MeOARh-NTR chloride

Cat. No.:	HY-149836A
Molecular Formula:	C <sub>33</sub> H <sub>30</sub> ClN <sub>3</sub> O <sub>8</sub>
Molecular Weight:	632.06
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	3-MeOARh-NTR chloride is an activatable imaging probe with high selectivity, and good stability. 3-MeOARh-NTR chloride possesses high selectivity and high signal-to-noise ratio for nitroreductase (NTR) detection, and serves as an efficient molecular tool for endogenous NTR detection <sup>[1]</sup> .
<b>In Vitro</b>	3-MeOARh-NTR chloride (10 μM, 30 min; cell incubated with 20% O <sub>2</sub> and 10% O <sub>2</sub> for 12 h) produces a strong fluorescence signal in living HeLa cells with decreasing oxygen contents <sup>[1]</sup> . 3-MeOARh-NTR chloride (10 μM, 30 min) produces fluorescence imaging of kidney tissues from mice with λ <sub>ex</sub> = 488 nm and λ <sub>em</sub> = 510-590 nm. Thus, 3-MeOARh-NTR chloride is an efficient probe to evaluate kidney hypoxia by NTR detection <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Guo H, et al. Designing a Brightness-Restored Rhodamine Derivative by the Ortho-Compensation Effect for Assessing Drug-Induced Acute Kidney Injury. Anal Chem. 2023 May 2;95(17):6863-6870.

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

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