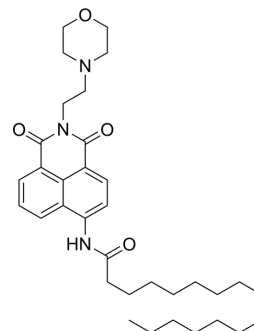


## PMBD

Cat. No.:	HY-D2338
Molecular Formula:	C <sub>34</sub> H <sub>49</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	563.77
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

PMBD is a lysosome (Lyso)-targeting fluorescent probe. PMBD selectively and sensitively detects endogenous N-acylethanolamine amidase (NAAA), allowing real-time visual monitoring of endogenous NAAA in living cells. PMBD has a maximum absorption peak at 350 nm. After the metabolism of NAAA, the maximum absorption peak of the product AMBD shifts red to 450 nm, and a significant fluorescence emission signal appears at 550 nm <sup>[1]</sup>.

## REFERENCES

[1]. Zhou L, et al. Lysosome targeting fluorescent probe for NAAA imaging and its applications in the drug development for anti-inflammatory. *Int J Biol Macromol.* 2024 Apr;263(Pt 2):130307.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA