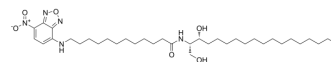


## C12-NBD Sphinganine

<b>Cat. No.:</b>	HY-141577
<b>CAS No.:</b>	474943-05-0
<b>Molecular Formula:</b>	C <sub>36</sub> H <sub>63</sub> N <sub>5</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	661.92
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

C12-NBD Sphinganine is a fluorescent ceramidase substrate. C12-NBD Sphinganine can be used for the measurement of alkaline and neutral ceramidase activity from a variety of sources<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Rigogliuso S, et al. An active form of sphingosine kinase-1 is released in the extracellular medium as component of membrane vesicles shed by two human tumor cell lines. *J Oncol.* 2010;2010:509329.
- [2]. Okino N, et al. Expression, purification, and characterization of a recombinant neutral ceramidase from *Mycobacterium tuberculosis*. *Biosci Biotechnol Biochem.* 2010;74(2):316-21.
- [3]. Vijai Kumar Reddy T, et al. Design, synthesis and in vitro biological evaluation of short-chain C12-sphinganine and its 1,2,3-triazole analogs as potential antimicrobial and anti-biofilm agents. *Eur J Med Chem.* 2016 Aug 8;118:98-106.

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

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