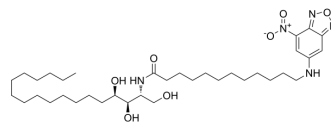


## C12 NBD Phytoceramide

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-D1582  |
| Molecular Formula: | C <sub>36</sub> H <sub>63</sub> N <sub>5</sub> O <sub>7</sub>                             |
| Molecular Weight:  | 677.91  |
| Target:            | Fluorescent Dye   |
| Pathway:           | Others  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

**Description** C12 NBD Phytoceramide, a ceramide analogue, is a fluorescent substrate, can be used to detect ceramidase activity<sup>[1][2]</sup>.

### REFERENCES

- [1]. Jae Kyo Yi, et al. Alkaline ceramidase catalyzes the hydrolysis of ceramides via a catalytic mechanism shared by Zn<sup>2+</sup>-dependent amidases.
- [2]. Pata MO, Wu BX, Bielawski J, Xiong TC, Hannun YA, Ng CK. Molecular cloning and characterization of OsCDase, a ceramidase enzyme from rice. Plant J. 2008 Sep;55(6):1000-9.

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

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