

Catalog	Unit
TBI5496 - 1MG	1 mg
TBI5496 - 5MG	5 mg

### Product Details

**Formal Name:** N-[7-(4-Nitrobenzo-2-oxa-1,3-diazole)]-6-aminocaproyl-D-erythro-sphingosine

**Alternate Names:** N-(NBD-aminohexanoyl) D-erythro-sphingosine; C6-NBD-Cer

**Molecular Formula:** C<sub>30</sub>H<sub>49</sub>N<sub>5</sub>O<sub>6</sub>

**Formula Weight:** 575.7

**CAS Number:** 94885-02-6

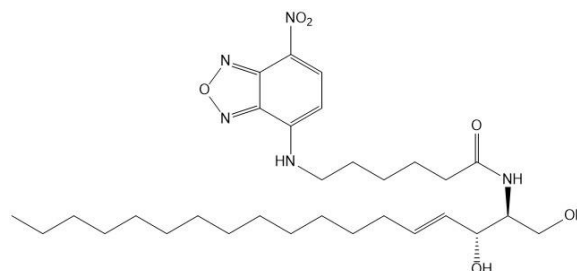
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (35 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Fluorescent probe for the Golgi apparatus

### Functions

C6-NBD Ceramide (94855-02-6) is a selective stain for the Golgi apparatus. Readily taken up by MDCK cells and converted into C6-NBD-sphingomyelin and C6-NBD-glucosyl-ceramide. A useful substrate for assay of ceramide kinase. May be used to monitor the biosynthesis and degradation of sphingomyelin in cellular systems. Ex: 455 nm and Em: 533 nm.

### Application Procedures

First dissolved in DMSO (35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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