



## 1. Identification

### Catalogue Number

K188525

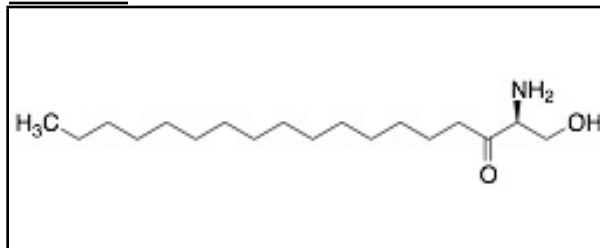
### Lot Number

1-NKS-180-1

### Product Name

3-Ketodihydrosphingosine

### Structure



### Synonyms

3-Oxosphinganine; Ketodihydrosphingosine; 3-Ketosphinganine; (2S)-2-Amino-1-hydroxy-3-octadecanone; 2(S)-3-Dehydrosphinganine; 2-Amino-1-hydroxy-3-octadecanone; D-2-Amino-1-hydroxy-3-octadecanone;

### CAS Number

18944-28-0

### Solubility

DMSO (Slightly), Methanol (Slightly)

### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>18</sub>H<sub>37</sub>NO<sub>2</sub>

### Source of Product

Synthetic

### Long Term Storage Conditions

-20°C

### Molecular Weight

299.49

### Purity

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

### Tests

Appearance

### Specifications

Pale Yellow to Dark Yellow Solid

### Results

Yellow to Dark Yellow Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

100.00% (ELSD)

MS

Conforms to Structure

Conforms

### Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed.  
The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

## 4. Signatures

### Reviewed by

Jessica Wang Chi

Product Quality Specialist

### Reviewed by

Toni Rantanen

Manager, Quality Assurance

### C of A Approved by

Chanell Chu

Quality Assurance Associate

### Test Date

2/21/2025

### Retest Date

2/19/2029