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Lieferung & Zahlungsart

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Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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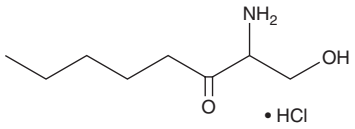
PRODUCT INFORMATION

3-keto Sphinganine (d8:0) (hydrochloride)

Item No. 22824

CAS Registry No.: 1824382-78-6
Formal Name: 2-amino-1-hydroxy-3-octanone, monohydrochloride
Synonym: 3-keto-C8-Dihydrosphingosine
MF: $C_8H_{17}NO_2$ • HCl
FW: 195.7
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

3-keto Sphinganine (d8:0) (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the 3-keto Sphinganine (d8:0) (hydrochloride) in the solvent of choice. 3-keto Sphinganine (d8:0) (hydrochloride) is soluble in organic solvents such as ethanol, methanol, and chloroform, which should be purged with an inert gas. 3-keto Sphinganine (d8:0) (hydrochloride) is also soluble in DI water. We do not recommend storing the aqueous solution for more than one day.

Description

3-keto Sphinganine (d8:0) is a short-chain analog of the typical C18 chain-length 3-keto sphinganine (d18:0) (Item No. 24380). 3-keto Sphinganine (d18:0) is a lyso-sphingolipid formed by the condensation of L-serine and palmitoyl-CoA by serine palmitoyl transferase (SPT). Vitamin K deficiency inactivates SPT resulting in a decrease in the production of 3-keto sphinganine and other sphingolipids.[1]

References

1. Batheja, A.D., Uhlinger, D.J., Carton, J.M., *et al*. Characterization of serine palmitoyltransferase in normal human tissues. *J. Histochem. Cytochem.* **51(5)**, 687-696 (2003).

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