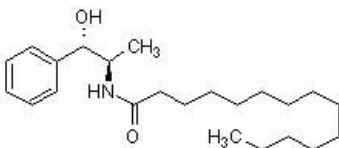


## Product datasheet

# D-erythro MAPP, alkaline ceramidase inhibitor ab141754

[1 Image](#)

### Overview

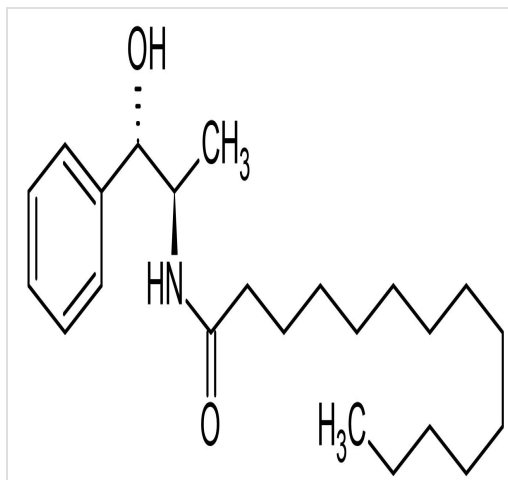
<b>Product name</b>	D-erythro MAPP, alkaline ceramidase inhibitor
<b>Description</b>	Specific alkaline ceramidase inhibitor
<b>Biological description</b>	Specific inhibitor of alkaline ceramidase ( $IC_{50} = 1 \mu M$ ). Elevates endogenous ceramide leading to growth suppression and cell cycle arrest. Inhibits acid ceramidase ( $IC_{50} = 500 \mu M$ ). Cell-permeable. Active <i>in vitro</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	143492-38-0
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	N-[(1S,2R)-1-Hydroxy-1-phenylpropan-2-yl]tetradecanamide
<b>Molecular weight</b>	361.60
<b>Molecular formula</b>	$C_{23}H_{39}NO_2$
<b>PubChem identifier</b>	124735
<b>Storage instructions</b>	Store at $-20^{\circ}C$ . Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 50 mM and in ethanol to 50 mM
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at <math>-20^{\circ}C</math>. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

**SMILES**CCCCCCCCCCCCCCCC(=O)NC(C)C(C1=CC=CC=C1)O**Source**

Synthetic

**Images**

2D chemical structure image of ab141754, *D-erythro* MAPP, alkaline ceramidase inhibitor

Chemical Structure - *D-erythro* MAPP, alkaline ceramidase inhibitor (ab141754)

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