

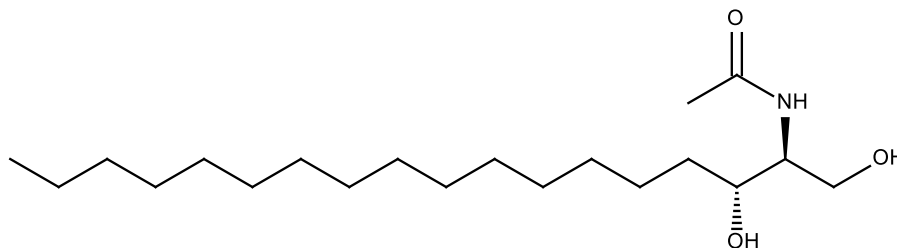
Catalog # 10-1381

C2-Dihydroceramide

CAS# 13031-64-6

N-Acetyl-D-erythro-sphinganine

Lot # FB1206



Negative control for C2-ceramide.^{1,2} Induces autophagy in a variety of cell types.^{3,4}

- 1) Bielawska *et al.* (1993) *Selectivity of ceramide-mediated biology. Lack of activity of erythro-dihydroceramide* J.Biol.Chem. **268** 26226
- 2) Obeid *et al.* (1993) *Programmed cell death induced by ceramide* Science **259** 1769
- 3) Jiang *et al.* (2012) *Gamma-tocotrienol induces apoptosis and autophagy in prostate cancer cells by increasing intracellular dihydrosphingosine and dihydroceramide*; Int. J. Cancer, **130** 685
- 4) Siddique *et al.* (2015) *Dihydroceramides: From Bit Players to Lead Actors*; J. Biol. Chem., **290** 15371

PHYSICAL DATA

Molecular Weight:	343.54
Molecular Formula:	C ₂₀ H ₄₁ NO ₃
Purity:	>98% by TLC
	NMR: Conforms
Solubility:	DMSO (5 mg/mL with warming)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 1 week.

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