N-Acetyl-D-sphingosine

Product Number A 7191
Storage Temperature -0 °C

Product Description
Molecular Formula: C_{20}H_{39}NO_{3}
Molecular Weight: 341.5
CAS Number: 3102-57-6
Synonym: C2 Ceramide

This compound is a less hydrophobic analog of natural ceramides, which makes it an active cell permeable surrogate. It induces monocytic differentiation and cytostasis of HL-60 Cells.\(^{1,2}\) It has been reported to induce a dose-dependent decrease in the uptake of tritiated thymidine.\(^{3}\) It activates a T9 cell cytosolic serine/threonine protein phosphatase at 0.1 µM.\(^{4}\)

This product is semisynthetic.

Precautions and Disclaimer
For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions
This product is soluble in DMSO (20 mM) and chloroform (20 mg/ml) at room temperature.

References