

Product Information

Depudecin

Product Number **D 5816**

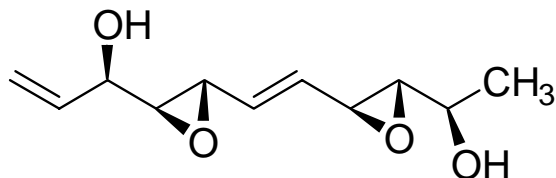
Storage Temperature $-20\text{ }^{\circ}\text{C}$

Cas #: 139508-73-9

Synonyms: D-threo-D-ido-Undeco-1,6-dienitol, 4,5:8,9-dianhydro-1,2,6,7,11-pentadeoxy

Molecular Weight: 212.24

Molecular formula: $\text{C}_{11}\text{H}_{16}\text{O}_4$



Product Description

Depudecin is an inhibitor of Histone deacetylase (HDAC) both *in vivo* and *in vitro*.^{1,2} It alters the spindle shaped morphology of v-Ha-ras-transformed NIH3T3 cells to a flattened shape and induces an intricate actin stress fiber network in these cells and in MG63 osteosarcoma cells.^{3,4} Depudecin also exhibits anti-angiogenic activity.⁴

Reagent

The majority of the material is present as a dried film on the bottom of the vial. Dissolve the film with dimethyl sulfoxide (DMSO). In order to fully recover the material, use the Depudecin solution to wash the rest of the vial thoroughly.

Purity is $> 95\%$ by HPLC

Precautions and Disclaimer

Consult the MSDS for information regarding hazardous and safe handling practices.

Storage/Stability

Store at $-20\text{ }^{\circ}\text{C}$. Depudecin is stable at room temperature for at least 1 month. Solutions of Depudecin in DMSO at 1 mg/ml are stable at room temperature for at least 1 month.

References

1. Jung, M., *Curr. Med Chem*, **8**, 1505 (2001).
2. Kwon, H.J., et al., *Proc. Natl. Acad. Sci. USA*, **95**, 3356 (1998).
3. Privalsky, M.L., *Proc. Natl. Acad. Sci. USA*, 3335, **95** (1998).
4. Shimada, J., et al., *Chem. Biol.*, **2**, 517 (1995).

SP/LG 3/03

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