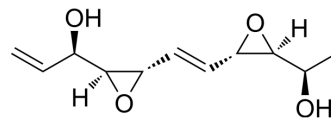


Depudecin

Cat. No.:	HY-135476
CAS No.:	139508-73-9
Molecular Formula:	C ₁₁ H ₁₆ O ₄
Molecular Weight:	212.24
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Depudecin ((-)-Depudecin) is a histone deacetylase (HDAC) inhibitor. Depudecin can be isolated from the fungus <i>Alternaria brassicicola</i> ^{[1][2]} .
In Vitro	Depudecin (48 h) can induce the flat phenotype of NIH3T3 cells doubly transformed by ras- and src-oncogene ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Hannah T Reynolds, et al. Differential Retention of Gene Functions in a Secondary Metabolite Cluster. *Mol Biol Evol.* 2017 Aug 1;34(8):2002-2015.
- [2]. M Matsumoto, et al. Depudecin: a novel compound inducing the flat phenotype of NIH3T3 cells doubly transformed by ras- and src-oncogene, produced by *Alternaria brassicicola*. *J Antibiot (Tokyo).* 1992 Jun;45(6):879-85.

Caution: Product has not been fully validated for medical applications. For research use only.

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