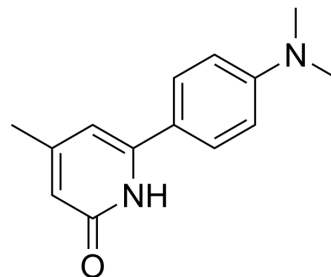


DAC-2-25

Cat. No.:	HY-116131
CAS No.:	1675245-09-6
Molecular Formula:	C ₁₄ H ₁₆ N ₂ O
Molecular Weight:	228.29
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DAC-2-25 is a molecule that causes a homeotic transformation of body column into tentacle zone ^[1] .
In Vitro	DAC-2-25 (5 μM) induces extra tentacles on the regenerating oral end in <i>H. vulgaris</i> polyps ^[1] . Chronic exposure to DAC-2-25 (5 μM; 3 weeks) leads to ectopic tentacle formation that spreads towards the aboral end of the polyp ^[1] . DAC-2-25 targets ectodermal epithelial cells in a cell-autonomous manner ^[1] . DAC-2-25 (5 μM; 27 days) transforms the body column into tentacle zone ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Glauber KM, et al. A small molecule screen identifies a novel compound that induces a homeotic transformation in Hydra. *Development*. 2013 Dec;140(23):4788-96.

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

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