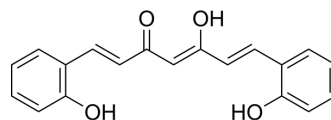


Salicylcurcumin

Cat. No.:	HY-116117
CAS No.:	1236545-54-2
Molecular Formula:	C ₁₉ H ₁₆ O ₄
Molecular Weight:	308.33
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Salicylcurcumin is a synthetic curcumin analogue with antioxidant activity. Salicylcurcumin may affect lipid peroxidation in fish, favoring increased survival, disease resistance, and ultimately growth rate ^[1] .
In Vitro	Salicylcurcumin (0.1-10 mM) can inhibit the formation of lipid peroxidation products and the content of thiobarbituric acid reactive substances (TBARS) in vitro ^[1] . br / MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Salicylcurcumin can increase the activity of antioxidant enzymes (such as superoxide dismutase) and inhibit catalase (CAT) and glutathione peroxidase (GPx) ^[1] .br / MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Manju M, et al. Curcumin analogue inhibits lipid peroxidation in a freshwater teleost, *Anabas testudineus* (Bloch)--an in vitro and in vivo study. *Fish Physiol Biochem.* 2009 Aug;35(3):413-20.

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

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