# Sarcophine

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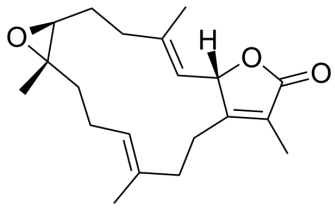
| **Cat. No.:** | HY-124550 |
| **CAS No.:** | 55038-27-2 |
| **Molecular Formula:** | $C_{20}H_{28}O_3$ |
| **Molecular Weight:** | 316.43 |
| **Target:** | Endogenous Metabolite |
| **Pathway:** | Metabolic Enzyme/Protease |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

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| **Description** | Sarcophine ((+)-Sarcophine) is a potent glycine receptor (GlyR) inhibitor with an $IC_{50}$ value of 3.9 μM. Sarcophine is a nature product that could be isolated form the Red Sea soft coral Sarcophyton glaucum[1]. |
| **In Vitro** | Sarcophine ((+)-Sarcophine) is an inhibitor of recombinant glycine receptors, with a $K_i$ value of 2.1 μM[1].<br>Sarcophine (1-100 mM; 24 h) has cytotoxicity against HEK293 cells with an $LD_{50}$ value of 29.3 mM[1].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[1]. Saleh HA, et, al. Sarcophine and (7S, 8R)-dihydroxydeepoxysarcophine from the Red Sea soft coral Sarcophyton glaucum as in vitro and in vivo modulators of glycine receptors. Neurotoxicology. 2020 Sep;80:105-111.



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