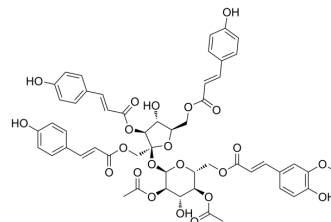


Vanicoside E

Cat. No.:	HY-N10950
CAS No.:	208707-91-9
Molecular Formula:	C ₅₃ H ₅₂ O ₂₂
Molecular Weight:	1040.97
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Vanicoside E is an antioxidant and antitumor agent. Vanicoside E inhibits L-Tyrosine (HY-N0473) and L-DOPA (HY-N0304) with IC ₅₀ s of 45.23 μM and 189.96 μM, respectively ^{[1][2]} .
IC₅₀ & Target	IC ₅₀ : 45.23 μM (L-Tyrosine), 189.96 μM (L-DOPA) ^[1]
In Vitro	Vanicoside E inhibits B16 melanoma cell viability, intracellular melanogenesis activity and extracellular melanogenesis activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Masum M N, et al. Isolation of phenylpropanoid sucrose esters from the roots of *Persicaria orientalis* and their potential as inhibitors of melanogenesis. *Medicinal Chemistry Research*, 2019, 28: 623-632.

[2]. Panda P, et al. Phenylpropanoid sucrose esters: plant-derived natural products as potential leads for new therapeutics. *Curr Med Chem*. 2011;18(21):3234-51.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA