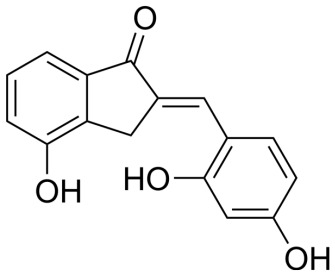
Tyrosinase-IN-10

Cat. No.:	HY-152194
CAS No.:	2873418-48-3
Molecular Formula:	$C_{16}H_{12}O_4$
Molecular Weight:	268.26
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tyrosinase-IN-10 (Compound 23) is a partially competitive tyrosinase inhibitor with an IC_{50} of 1.6 μM against tyrosinase activity from human melanoma cell lysates[1].
IC_{50} & Target	IC50: 1.6 μM (human tyrosinase)[1]
In Vitro	Tyrosinase-IN-10 (Compound 23) (0-100 μM; 96 h) inhibits MNT-1 whole cells melanogenesis with an IC_{50} of 29 μM and shows cytotoxicity with a CC_{50} of 91 μM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Cytotoxicity Assay[1]

Cell Line:	MNT-1 cells
Concentration:	0-100 μM
Incubation Time:	96 h
Result:	Showed cytotoxicity with a CC_{50} of 91 μM.

REFERENCES

[1]. Roulier B, et al. Resorcinol-based hemiindigoid derivatives as human tyrosinase inhibitors and melanogenesis suppressors in human melanoma cells. Eur J Med Chem. 2023 Jan 15;246:114972.

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