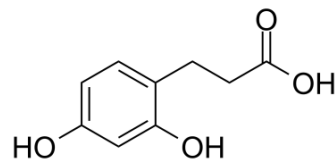


3-(2,4-Dihydroxyphenyl)propanoic acid

Cat. No.:	HY-N1750
CAS No.:	5631-68-5
Molecular Formula:	C ₉ H ₁₀ O ₄
Molecular Weight:	182.17
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	3-(2,4-Dihydroxyphenyl)propanoic acid (DPPacid) is a potent and competitive tyrosinase inhibitor, inhibits L-Tyrosine and DL-DOPA with an IC ₅₀ and a K _i of 3.02 μM and 11.5 μM, respectively ^[1] .
IC ₅₀ & Target	Ki: 3.02 μM (L-Tyrosine); 11.5 μM (DL-DOPA) ^[1]

REFERENCES

[1]. Shimizu K, et al. Novel vitamin E derivative with 4-substituted resorcinol moiety has both antioxidant and tyrosinase inhibitory properties. *Lipids*. 2001 Dec;36(12):1321-6.

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

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