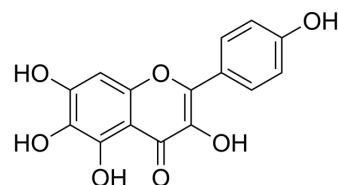


6-Hydroxykaempferol

Cat. No.:	HY-116750
CAS No.:	4324-55-4
Molecular Formula:	C ₁₅ H ₁₀ O ₇
Molecular Weight:	302.24
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

6-Hydroxykaempferol, a flavonoid, is a competitive tyrosinase inhibitor with an IC₅₀ value of 124 μM. 6-Hydroxykaempferol has a K_i value of 148 μM relative to L-DOPA as a substrate and effectively inhibits the activity of the enzyme by binding to the active site of the enzyme^[1].

REFERENCES

[1]. Hong Gao, et al. Inhibitory effects of 5,6,7-trihydroxyflavones on tyrosinase. *Molecules*. 2007 Jan 29;12(1):86-97.

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