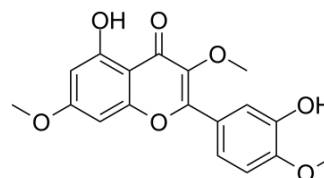


Ayanin

Cat. No.:	HY-N2913
CAS No.:	572-32-7
Molecular Formula:	C ₁₈ H ₁₆ O ₇
Molecular Weight:	344.32
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Ayanin is a bioflavonoid isolated from <i>Croton schiedeanus</i> Schlecht. Ayanin is a non-selective phosphodiesterase₁₋₄ inhibitor and can be used for the study of respiratory disease, such as allergic asthma et al ^[1] .	
IC ₅₀ & Target	PDE2A	PDE4
In Vitro	Ayanin inhibits interleukin (IL)-4 production from purified basophils with an IC ₅₀ value of 2.2 μM ^[1] .	

REFERENCES

[1]. Fei-Peng Lee, et al. Ayanin, a Non-Selective Phosphodiesterase 1-4 Inhibitor, Effectively Suppresses Ovalbumin-Induced Airway Hyperresponsiveness Without Affecting xylazine/ketamine-induced Anesthesia. *Eur J Pharmacol.* 2010 Jun 10;635(1-3):198-203.

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

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