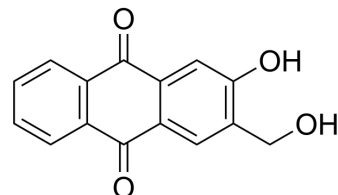


2-Hydroxymethyl-3-hydroxyanthraquinone

Cat. No.:	HY-N8789
CAS No.:	68243-30-1
Molecular Formula:	C ₁₅ H ₁₀ O ₄
Molecular Weight:	254.24
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2-Hydroxymethyl-3-hydroxyanthraquinone is an antiosteoporotic compound that inhibits osteoclastic tartrate-resistant acid phosphatase (TRAP) activity ^[1] .
IC ₅₀ & Target	TRAP ^[1]
In Vitro	2-Hydroxymethyl-3-hydroxyanthraquinone (0.1-10 μM; 48 h) dose-dependently inhibits osteoclastic TRAP activity, and reduces osteoclastic bone resorption pit area on bone slices ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wu YB, et al. Antiosteoporotic activity of anthraquinones from *Morinda officinalis* on osteoblasts and osteoclasts. *Molecules*. 2009 Jan 23;14(1):573-83.

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

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