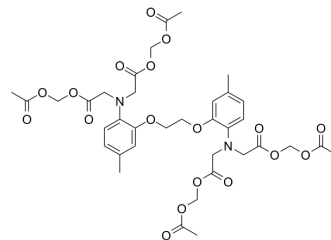


MAPTAM

Cat. No.:	HY-135433
CAS No.:	147504-94-7
Molecular Formula:	C ₃₆ H ₄₄ N ₂ O ₁₈
Molecular Weight:	792.74
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MAPTAM is an intracellular Ca ²⁺ chelator ^[1] .
In Vitro	<p>Guidelines^[1] (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).</p> <p>Labeling of Cells:</p> <ol style="list-style-type: none"> 1. Incubate the cells according to your normal protocol. 2. Pre-incubate cells for 30 minutes with 20 μM MAPTAM. 3. Replace medium with HEPES buffer containing 2 μM fura 2 pentaacetoxymethyl ester and 1% BSA (wt:vol). 4. Perform measurements in HEPES buffer containing 1 mM CaCl₂. <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Seewald S, et al. Role of mitogen-activated protein kinase in the angiotensin II-induced DNA synthesis in vascular smooth muscle cells. *Hypertension*. 1998 May;31(5):1151-6.

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

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