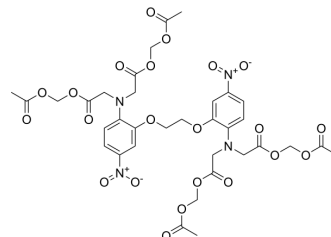


5,5'-Dinitro BAPTA AM

Cat. No.:	HY-D1643
CAS No.:	172646-47-8
Molecular Formula:	C ₃₄ H ₃₈ N ₄ O ₂₂
Molecular Weight:	854.68
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	5,5'-Dinitro BAPTA AM is a membrane-permeant, high-affinity calcium chelator, it can be used for investigation of the role of cytosolic Ca ²⁺ . 5,5'-Dinitro BAPTA AM can be loaded by incubation into live cells, and is cleaved by cytosolic esterases to liberate the active tetra-carboxylate ligand ^[1] .
In Vitro	5,5'-Dinitro BAPTA AM (50 μM; 20 min) attenuates evoked field excitatory postsynaptic potentials ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ouanounou A, et al. Accumulation and extrusion of permeant Ca²⁺ chelators in attenuation of synaptic transmission at hippocampal CA1 neurons. *Neuroscience*. 1996 Nov;75(1):99-109.

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

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