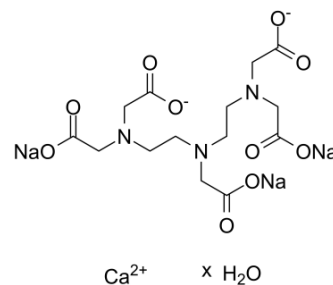


Calcium trisodium diethylenetriaminepentaacetic acid hydrate

Cat. No.:	HY-128370
CAS No.:	207226-35-5
Molecular Formula:	C ₁₄ H ₂₀ CaN ₃ Na ₃ O ₁₁
Molecular Weight:	515.37
Target:	CMV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Calcium trisodium diethylenetriaminepentaacetic acid hydrate (Ca-DTPA trisodium salt hydrate) is a metal chelator and a useful antidote (such as acute cadmium intoxication). Diethylenetriaminepentaacetic acid calcium trisodium salt hydrate is a nontoxic inhibitor of CMV replication ^{[1][2]} .
In Vitro	The antiviral activity of Calcium trisodium diethylenetriaminepentaacetic acid hydrate is suppressed by metal ions with a decreasing potency order of Mn ²⁺ /Zn ²⁺ >Fe ²⁺ >Cu ²⁺ >Fe ³⁺ . Diethylenetriaminepentaacetic acid calcium trisodium salt hydrate inhibits CMV L-antigen production with EC ₅₀ ranging from 6.1 to 9.9 μM ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Eybl V, et al. Effect of cadmium chelating agents on organ cadmium and trace element levels in mice. *Analyst*. 1998;123(1):25-26.
- [2]. Cinatl J Jr, et al. In vitro inhibition of human cytomegalovirus replication by calcium trisodium diethylenetriaminepentaacetic acid. *Antiviral Res.* 1996;31(1-2):23-34.

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

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