## **Product** Data Sheet

## Calcium trinatrium diethylenetriaminepentaacetic acid hydrate

Cat. No.: HY-128370 CAS No.: 207226-35-5

Molecular Formula: C<sub>14</sub>H<sub>20</sub>CaN<sub>3</sub>Na<sub>3</sub>O<sub>11</sub>

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 trinatrium 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 trinatrium diethylenetriaminepentaacetic acid hydrate is suppressed by metal ions with a decreasing potency order of Mn2+/Zn2+>Fe2+>Cu2+>Fe3+. Diethylenetriaminepentaacetic acid calcium trisodium salt hydrate inhibits CMV L-antigen production with EC $_{50}$ ranging from 6.1 to 9.9 $\mu$ M <sup>[2]</sup> . 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 trinatrium diethylenetriaminepentaacetic acid. Antiviral Res. 1996;31(1-2):23-34.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA