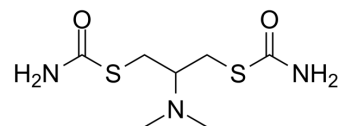


## Cartap

Cat. No.:	HY-136395
CAS No.:	15263-53-3
Molecular Formula:	C <sub>7</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub> S <sub>2</sub>
Molecular Weight:	237.34
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Cartap, an organonitrogen insecticide, can cause a marked irreversible Ca <sup>2+</sup> -dependent contracture in both isolated mouse and rabbit phrenic nerve-diaphragms. Cartap significantly increases the level of endogenous reactive oxygen species (ROS) in C2C12 cells <sup>[1]</sup> .
<b>In Vitro</b>	Cartap (10-1000 μM; 24 hours) exerts a dose- and time-dependent cytotoxic effect in C2C12 cells. Cartap significantly increases the level of endogenous reactive oxygen species (ROS) in C2C12 cells in a dose- and time-dependent manner <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Jiunn-Wang Liao, et al. Cartap-induced cytotoxicity in mouse C2C12 myoblast cell line and the roles of calcium ion and oxidative stress on the toxic effects. Toxicology. 2006 Feb 15;219(1-3):73-84.

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

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