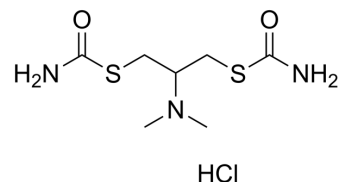


Cartap hydrochloride

Cat. No.:	HY-W040028
CAS No.:	15263-52-2
Molecular Formula:	C ₇ H ₁₆ ClN ₃ O ₂ S ₂
Molecular Weight:	273.8
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

Description

Cartap hydrochloride, an organonitrogen insecticide, can cause a marked irreversible Ca²⁺-dependent contracture in both isolated mouse and rabbit phrenic nerve-diaphragms. Cartap hydrochloride significantly increases the level of endogenous reactive oxygen species (ROS) in C2C12 cells^[1].

In Vitro

Cartap hydrochloride (10-1000 μM; 24 hours) exerts a dose- and time-dependent cytotoxic effect in C2C12 cells. Cartap hydrochloride significantly increases the level of endogenous reactive oxygen species (ROS) in C2C12 cells in a dose- and time-dependent manner^[1].

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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