

Celosin K

Cat. No.: HY-N12277

CAS No.: 1950579-53-9

Molecular Formula: C₄₇H₇₄O₁₉

Molecular Weight: 943.08

Target: Apoptosis

Pathway: Apoptosis

Storage: 4°C, protect from light

* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

Product Data Sheet

SOLVENT & SOLUBILITY

In Vitro

H₂O: 9.4308 mg/mL (10.00 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	1.0604 mL	5.3018 mL	10.6036 mL
	5 mM	0.2121 mL	1.0604 mL	2.1207 mL
	10 mM	0.1060 mL	0.5302 mL	1.0604 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Celosin K (compound 8) can be isolated from the seeds of Semen Celosiae. Celosin K is a potent inhibitor of neuron injury elicited by t-BHP. Celosin K inhibits oxidative stress and apoptosis, and acts of autophagy $^{[1]}$.

REFERENCES

[1]. Jinggong Guo, et al. Chemical compounds with a neuroprotective effect from the seeds of Celosia argentea L. Food Funct. 2021, 12, 83-96.

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

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