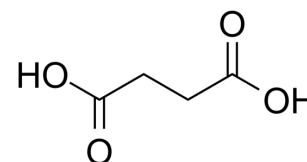
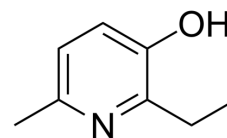


Emoxypine succinate

Cat. No.:	HY-W002620A
CAS No.:	127464-43-1
Molecular Formula:	C ₁₂ H ₁₇ NO ₅
Molecular Weight:	255.27
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, sealed storage, away from moisture
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (979.36 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.9174 mL	19.5871 mL	39.1742 mL
	5 mM		0.7835 mL	3.9174 mL	7.8348 mL
	10 mM		0.3917 mL	1.9587 mL	3.9174 mL

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

BIOLOGICAL ACTIVITY

Description

Emoxypine succinate is an antioxidant. Emoxypine succinate can be used for the research of post-traumatic^[1].

In Vitro

Emoxypine succinate shows reactive oxygen species overproduction and disruption of the mitochondrial inner membrane due to the decreasing of transmembrane potential^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

Emoxypine succinate (i.p.; 40 mg/kg; 1 time per day, 14 days) decreases the production of reactive oxygen species, mitochondrial transmembrane potential percentage of leukocyte and the percentage of FITC Annexin V- positive cells of leukocyte suspension^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Rats ^[1]
Dosage:	40 mg/kg
Administration:	Intraperitoneal, 1 time per day, 14 days

Result:	Significantly increased the percentage of Annexin V-positive cells, reduced the apoptotic percentage of white blood cells and decreased the production of reactive oxygen species by leukocytes.
---------	--

REFERENCES

[1]. Krynytska, et al. Features of leukocytes' apoptosis and emoxypine succinate efficacy in case of combined trauma of the chest and both thighs in rats. Bangladesh Journal of Medical Science, (2019). 18(2), 244-251.

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