



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

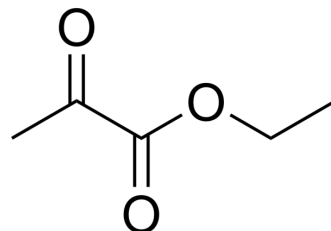
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Ethyl pyruvate (Standard)

Cat. No.:	HY-Y1362R
CAS No.:	617-35-6
Molecular Formula:	C ₅ H ₈ O ₃
Molecular Weight:	116.12
Target:	Autophagy; Apoptosis; Pyroptosis; NF-κB
Pathway:	Autophagy; Apoptosis; Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ethyl pyruvate (Standard) is the analytical standard of Ethyl pyruvate. This product is intended for research and analytical applications. Ethyl pyruvate is a simple derivative of the endogenous metabolite pyruvate. Ethyl pyruvate is an HMGB1 release inhibitor. Ethyl pyruvate can induce apoptosis by autophagy. Ethyl pyruvate has anti-inflammatory, antioxidant and anti-tumor activity. Ethyl pyruvate can be used in the study of neurodegenerative diseases such as Alzheimer's and Parkinson's disease^{[1][2][3][4][5]}.

REFERENCES

- [1]. Fink MP. Ethyl pyruvate: a novel anti-inflammatory agent. J Intern Med. 2007 Apr;261(4):349-62.
- [2]. Olcum M, Tufekci KU, Durur DY, et al. Ethyl Pyruvate Attenuates Microglial NLRP3 Inflammasome Activation via Inhibition of HMGB1/NF-κB/miR-223 Signaling. Antioxidants (Basel). 2021;10(5):745.
- [3]. Liang X, et al. Ethyl pyruvate administration inhibits hepatic tumor growth. J Leukoc Biol. 2009 Sep;86(3):599-607.
- [4]. Qiu X, et al. Ethyl pyruvate confers protection against endotoxemia and sepsis by inhibiting caspase-11-dependent cell pyroptosis. Int Immunopharmacol. 2020 Jan;78:106016.
- [5]. Lee J, et al. Protective effects of ethyl pyruvate treatment on paraquat-intoxicated rats. Hum Exp Toxicol. 2008 Jan;27(1):49-54.

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