



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

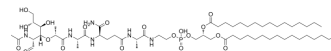
mail@szabo-scandic.com

www.szabo-scandic.com

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

Mifamurtide (Standard)

Cat. No.:	HY-13682R
CAS No.:	83461-56-7
Molecular Formula:	C ₅₉ H ₁₀₉ N ₆ O ₁₉ P
Molecular Weight:	1237.5
Target:	NOD-like Receptor (NLR)
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Mifamurtide (Standard) is the analytical standard of Mifamurtide. This product is intended for research and analytical applications. Mifamurtide (MTP-PE), an analog of the muramyl dipeptide (MDP), is a nonspecific immunomodulator by stimulating the immune response activating macrophages and monocytes. Mifamurtide is a specific ligand for NOD2 and acts as an insulin sensitizer. Mifamurtide has potential for use in rare disease and osteosarcoma research^{[1][2][3]}.

REFERENCES

- [1]. Kevin Biteau, et al. L-MTP-PE and zoledronic acid combination in osteosarcoma: preclinical evidence of positive therapeutic combination for clinical transfer. *Am J Cancer Res.* 2016 Feb 15;6(3):677-89.
- [2]. Mifamurtide: CGP 19835, CGP 19835A, L-MTP-PE, liposomal MTP-PE, MLV 19835A, MTP-PE, muramyltripeptide phosphatidylethanolamine. *Drugs R D*, 2008. 9(2): p. 131-5.
- [3]. Joseph F Cavallari, et al. Muramyl Dipeptide-Based Postbiotics Mitigate Obesity-Induced Insulin Resistance via IRF4. *Cell Metab.* 2017 May 2;25(5):1063-1074.e3.
- [4]. Francesca Punzo, et al. Mifamurtide and TAM-like macrophages: effect on proliferation, migration and differentiation of osteosarcoma cells. *Oncotarget.* 2020 Feb 18;11(7):687-698.

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