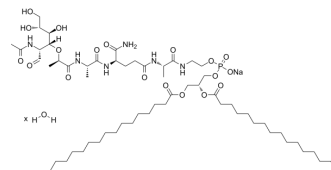


Mifamurtide sodium hydrate

Cat. No.:	HY-13682A
CAS No.:	838853-48-8
Molecular Formula:	$C_{59}H_{108}N_6O_{19}P \cdot xH_2O \cdot Na$
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Mifamurtide (sodium hydrate) (MTP-PE (sodium hydrate); L-MTP-PE (sodium hydrate); CGP 19835 (sodium hydrate)) is the sodium hydrate of mifamurtide. Mifamurtide is a nonspecific immunomodulator that acts by stimulating immune responses by activating macrophages and monocytes. Mifamurtide is a specific ligand for NOD2 and is used as an insulin sensitizer and may also be used in osteosarcoma research^{[1][2][3]}.

CUSTOMER VALIDATION

- The Ohio State University. 2023 Apr.

See more customer validations on www.MedChemExpress.com

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]. 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.
- [3]. 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.

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