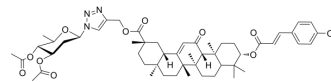


HMGB1-IN-2

Cat. No.:	HY-155759
Molecular Formula:	C ₅₃ H ₇₁ N ₃ O ₁₁
Molecular Weight:	926.14
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HMGB1-IN-2 (compound 15) is an inhibitor of highly conserved nuclear protein (HMGB1), showing NO inhibitory effect with IC ₅₀ value of 20.2 μM in RAW264.7 cells. HMGB1-IN-2 (30 μM) decreases the level of IL-1 β, TNF-α, caspase-1 p20, inhibits the phosphorylation of NF-κB p65, exhibits anti-apoptotic activity. HMGB1-IN-2 (15 mg/kg; ip) relieves kidney injury in septic acute kidney injury mouse. HMGB1-IN-2 inhibits Huh7 cells and A549 cells with IC ₅₀ s of 77.0 μM, and 82.0 μM, respectively ^[1] .
IC₅₀ & Target	Highly conserved nuclear protein (HMGB1) ^[1]
In Vivo	HMGB1-IN-2 (compound 15) is dissolved in an aqueous solution containing 10% polyoxyethylene castor oil ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Qiang X, et al. Synthesis of glycyrrhizin analogues as HMGB1 inhibitors and their activity against sepsis in acute kidney injury. Eur J Med Chem. 2023 Nov 5;259:115696.

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