

## HMGB1-IN-2

### Chemical Properties

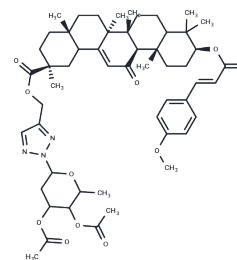
CAS No. :

Formula: C53H71N3O11

Molecular Weight: 926.14

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



### Biological Description

Description	HMGB1-IN-2 (compound 15) is a selective inhibitor of the highly conserved nuclear protein HMGB1, showing no inhibitory effect at an IC <sub>50</sub> of 20.2 μM in RAW264.7 cells. At 30 μM, it reduces IL-1β, TNF-α, and caspase-1 p20 levels, inhibits NF-κB p65 phosphorylation, and provides anti-apoptotic effects. In vivo, 15 mg/kg of HMGB1-IN-2 administered intraperitoneally alleviates kidney injury in a mouse model of septic acute kidney injury. Additionally, it inhibits Huh7 and A549 cells with IC <sub>50</sub> values of 77.0 μM and 82.0 μM, respectively [1].
Targets(IC <sub>50</sub> )	Apoptosis,Others,NF-κB,Caspase,Interleukin
In vivo	HMGB1-IN-2 (compound 15) is dissolved in a 10% polyoxyethylene castor oil aqueous solution [1].

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0798 mL	5.3988 mL	10.7975 mL
5 mM	0.216 mL	1.0798 mL	2.1595 mL
10 mM	0.108 mL	0.5399 mL	1.0798 mL
50 mM	0.0216 mL	0.108 mL	0.216 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481