

TNF- $\alpha$ -IN-11

## Chemical Properties

CAS No. :

Formula: C<sub>24</sub>H<sub>26</sub>N<sub>2</sub>O<sub>5</sub>

Molecular Weight: 422.47

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	TNF- $\alpha$ -IN-11 (Compound 10) is a TNF- $\alpha$ inhibitor with a dissociation constant (K <sub>D</sub> ) of 12.06 $\mu$ M. It impedes TNF- $\alpha$ -induced caspase activation and the NF- $\kappa$ B signaling pathway by binding to TNF- $\alpha$ , suppressing the phosphorylation of I $\kappa$ B $\alpha$ and the nuclear migration of NF- $\kappa$ B p65. This compound is utilized in the study of TNF- $\alpha$ -mediated autoimmune diseases [1].
Targets(IC50)	Others,NF- $\kappa$ B,Caspase,TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.367 mL	11.8352 mL	23.6703 mL
5 mM	0.4734 mL	2.367 mL	4.7341 mL
10 mM	0.2367 mL	1.1835 mL	2.367 mL
50 mM	0.0473 mL	0.2367 mL	0.4734 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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