

## TLR2 antagonist-1

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	TLR2antagonist-1 is a selective antagonist of Toll-like receptor 2 (TLR2). It effectively inhibits excessive activation of TLR2, with an IC50 value of 11.41 $\mu$ M, and reduces the production of inflammatory factors. TLR2antagonist-1 exhibits metabolic stability, with a half-life (T1/2) of 16.67 minutes in mouse liver microsomes. This compound is useful for research in inflammation, immunology, and neurological disorders.
Targets(IC50)	TLR
In vitro	TLR2 antagonist-1 (Compound T30) exhibits low cytotoxicity with a CC50 value of 37.25 $\mu$ M in RAW 264.7 cells. At concentrations ranging from 12.5 to 25 $\mu$ M, TLR2 antagonist-1 effectively inhibits the hTLR2/NF- $\kappa$ B pathway in HEK-Blue hTLR2 cells.

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