

DPMI- $\omega$ 

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from moisture

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	DPMI- $\omega$ is a dual-specific D-peptide antagonist of the carcinogenic proteins MDM2 and MDMX. When loaded onto gold nanoparticles, DPMI- $\omega$ effectively penetrates tumor cells and kills them by reactivating the p53 signaling pathway. It disrupts the p53-MDM2/MDMX complex and inhibits the growth of B16 melanoma while inducing G0/G1 phase cell cycle arrest. Combined with anti-PD1 antibodies, DPMI- $\omega$ enhances immunotherapy by amplifying CD3+/CD8+ cytotoxic T cells and inhibiting CD4+/CD25+ regulatory T cells. DPMI- $\omega$ is applicable in melanoma research.
Targets(IC50)	MDM-2/p53

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