

TAX2 peptide

Chemical Properties

CAS No. :

Formula: C₅₁H₈₆N₁₄O₁₉S₂

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	TAX2 peptide is a novel dodecapeptide designed through molecular docking and simulation, originating from the sequence of the cell surface receptor CD47. As a selective antagonist of the TSP-1 (thrombospondin-1) and CD47 interaction, TAX2 peptide enhances the binding of TSP-1 to CD36. This disrupts the activation of VEGFR2 (vascular endothelial growth factor receptor 2), blocking downstream NO (nitric oxide) signaling and exhibiting anti-angiogenic properties. TAX2 peptide is useful for studying angiogenesis and tumor cell interactions within the tumor microenvironment.
Targets(IC50)	TGF-beta/Smad

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