

vitamin D binding protein precursor (353-363) [Homo sapiens]

Chemical Properties

CAS No. :

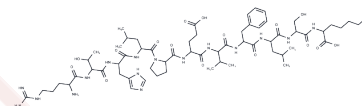
Formula: C61H99N17O16

Molecular Weight: 1326.54

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	Human vitamin D-binding protein (hDBP) is an abundant, multifunctional, and highly polymorphic serum glycoprotein synthesized by the liver ¹ .
Targets(IC50)	Others
In vitro	DBP is the major serum transport protein for the vitamin D sterols ² , binds and sequesters monomers of actin with high affinity ^{3, 4} , and has been identified on the surface of a variety of cell types including B-lymphocytes ⁵ , subpopulations of T-lymphocytes ⁶ , and the cytotrophoblasts of the placenta ⁷ . DBP is a secreted protein and would therefore be predicted to have a signal sequence. The amino-terminus of the mature serum protein was established by aligning the sequence predicted by the cDNA to a sequenced amino-terminal hDBP peptide ⁸ .

Solubility Information

Solubility	DMSO: ≥132.7 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7538 mL	3.7692 mL	7.5384 mL
5 mM	0.1508 mL	0.7538 mL	1.5077 mL
10 mM	0.0754 mL	0.3769 mL	0.7538 mL
50 mM	0.0151 mL	0.0754 mL	0.1508 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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