

c-Myc tag Peptide

Chemical Properties

CAS No. :

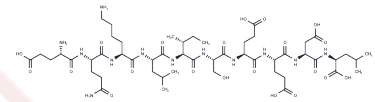
Formula: C₅₁H₈₆N₁₂O₂₁

Molecular Weight: 1203.3

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	c-Myc Peptide is a useful displacement of c-Myc-tagged fusion proteins bound to anti-c-Myc antibodies in immunoassays. The successful inhibition of antibody binding by c-Myc peptide demonstrates binding is specific. c-Myc peptide participates in the regulation of growth-related gene transcription.
Targets(IC50)	Others
In vitro	The c-Myc Peptide is a synthetic peptide with an amino acid sequence that corresponds to the amino acids 410-419 of the C-terminal of human c-myc. Myc (c-Myc) is a regulator gene that codes for a transcription factor. c-Myc activation results in numerous biological effects. The first to be discovered was its capability to drive cell proliferation, but it also plays a very important role in regulating cell growth (upregulates ribosomal RNA and proteins), apoptosis (downregulates Bcl-2), differentiation, and stem cell self-renewal. C-Myc is a very strong proto-oncogene and it is very often found to be upregulated in many types of cancers [1].

Solubility Information

Solubility	Ethanol: <1 mg/mL, H ₂ O: > 15.7 mg/mL, Sonication is recommended. DMSO: ≥60.165 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	0.831 mL	4.1552 mL	8.3105 mL
5 mM	0.1662 mL	0.831 mL	1.6621 mL
10 mM	0.0831 mL	0.4155 mL	0.831 mL
50 mM	0.0166 mL	0.0831 mL	0.1662 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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