Int-H1-S6A F8 c-myc inhibitor

c-Myc inhibitor

H1 DNA-binding region of c-Myc containing Ser to Ala, and Phe to Ala substitutions (underlined) to confer an increase in its potency to inhibit c-Myc. The N-terminus of this peptide is the Int peptide sequence derived from the third Antennapedia homeodomain, to confer cell permeability. Control for this peptide is H1-S6A,F8A c-Myc inhibibitor peptide (Prod. No. BML-P606). Inhibited cloning efficiency of MCF-7 human breast cancer cells by 90% at 10 μM (IC_{50}=5.9 μM). In MCF-7 cells, it inhibited cell growth and induced apoptosis. In addition, at 10 μM it strongly inhibited transcription of the c-Myc regulated genes ODC and p53. The non-cell-permeable control for this peptide is H1-S6A, F8A c-Myc inhibitor peptide which lacks the N-terminal internalization sequence.

Citations: 3 View Online »

Ordering Information Order Online »

BML-P605-0500	0.5mg

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White to off-white powder.
Formulation	Lyophilized.
MW	3873.6
Purity	≥95% (HPLC)
Sequence	Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-Asn-Glu-Leu-Lys-Arg-Ala-Phe-Ala-Ala-Leu-Arg-Asp-Gln-Ile
Solubility	Soluble in water.
Source	Synthetic.

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