

## MYC-RIBOTAC

## Chemical Properties

CAS No. :

Formula: C55H58N10O11S

Molecular Weight: 1067.17

Keep away from direct sunlight

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	MYC-RIBOTAC, a ribonuclease-targeting chimera (RIBOTAC) specific to the MYC internal ribosome entry site (IRES), comprises an MYC mRNA-binding element tethered to a small molecule that recruits and activates RNase L1. This interaction promotes the degradation of MYC mRNA, subsequently reducing MYC protein levels and inducing apoptosis, thereby presenting potential applications in anticancer research [1].
Targets(IC50)	Apoptosis,c-Myc,PROTACs
In vitro	MYC-RIBOTAC (0-10 $\mu$ M; 48 hours) reduces the abundance of MYC mRNA and protein levels in HeLa cells in a dose-dependent and RNase L-dependent manner [1]. Additionally, MYC-RIBOTAC (0-10 $\mu$ M; 48 hours) exhibits antiproliferative and apoptosis-inducing effects in both HeLa and Namalwa cells [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9371 mL	4.6853 mL	9.3706 mL
5 mM	0.1874 mL	0.9371 mL	1.8741 mL
10 mM	0.0937 mL	0.4685 mL	0.9371 mL
50 mM	0.0187 mL	0.0937 mL	0.1874 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.

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