

R18 TFA

## Chemical Properties

CAS No. :

Formula: C103H158F3N27O31S3

Molecular Weight: 2423.73

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	R18 TFA, a peptide antagonist of 14-3-3, exhibits a dissociation constant ( $K_D$ ) of 70-90 nM. It efficiently inhibits the interaction between 14-3-3 and its physiological ligand, the kinase Raf-1, thereby significantly impeding the protective effect of 14-3-3 on Raf-1 against phosphatase-induced deactivation [1].
Targets(IC50)	Raf

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4126 mL	2.0629 mL	4.1259 mL
5 mM	0.0825 mL	0.4126 mL	0.8252 mL
10 mM	0.0413 mL	0.2063 mL	0.4126 mL
50 mM	0.0083 mL	0.0413 mL	0.0825 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

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