

## SIAIS100 TFA

## Chemical Properties

CAS No. :

Formula: C46H51ClF5N9O7S

Molecular Weight: 1004.46

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	SIAIS100 TFA is a potent BCR-ABL PROTAC degrader with a DC50 of 2.7 nM, used in chronic myeloid leukemia (CML) research [1].
Targets(IC50)	Bcr-Abl,PROTACs
In vitro	SIAIS100 exhibits antiproliferative activity against K562 cells with an IC50 value of 12 nM [1]. It induces degradation of BCR-ABL by 81.78% and 91.20% at concentrations of 5 nM and 100 nM, respectively [1]. SIAIS100 (100 nM; 8 h) significantly decreases BCR-ABL in K562 cells [1]. SIAIS100 (100 nM; 6 h) causes persistent and robust degradation of BCR-ABL, maintaining a durable cellular response post drug removal [1]. Additionally, SIAIS100 (1-1000 nM) significantly reduces mutant G250E/T315I in a dose-dependent manner and inhibits BCR-ABL signaling in 32D cells, as assessed by p-BCR-ABL levels [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9956 mL	4.9778 mL	9.9556 mL
5 mM	0.1991 mL	0.9956 mL	1.9911 mL
10 mM	0.0996 mL	0.4978 mL	0.9956 mL
50 mM	0.0199 mL	0.0996 mL	0.1991 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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