

## signal transducer and activator of transcription 6 fragment

## Chemical Properties

CAS No. :

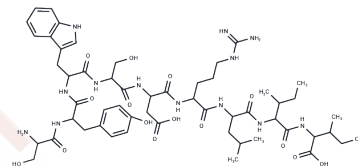
Formula: C54H81N13O15

Molecular Weight: 1152.3

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	The signal transducer and activator of transcription 6 fragments is a peptide with the sequence H2N-Ser-Tyr-Trp-Ser-Asp-Arg-Leu-Ile-Ile-OH, MW= 1152.3.
Targets(IC50)	Others
In vitro	STAT6 is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor-associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2), expression of cell surface markers, and class switch of immunoglobulins [1][2][3].

## Solubility Information

Solubility	DMSO: ≥115.2 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.8678 mL	4.3391 mL	8.6783 mL
5 mM	0.1736 mL	0.8678 mL	1.7357 mL
10 mM	0.0868 mL	0.4339 mL	0.8678 mL
50 mM	0.0174 mL	0.0868 mL	0.1736 mL

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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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