

## KTX-Sp2

## Chemical Properties

CAS No. :

Formula: C155H244N58O49S7

Molecular Weight: 3928.41

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	KTX-Sp2, a potassium channel toxin, effectively blocks exogenous voltage-gated potassium channels Kv1.1, Kv1.2, and Kv1.3, as well inhibits the endogenous Kv1.3 channel and suppresses Ca <sup>2+</sup> signaling in Jurkat T cells. Additionally, KTX-Sp2 inhibits IL-2 secretion from activated Jurkat T cells [1].
Targets(IC50)	Potassium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2546 mL	1.2728 mL	2.5456 mL
5 mM	0.0509 mL	0.2546 mL	0.5091 mL
10 mM	0.0255 mL	0.1273 mL	0.2546 mL
50 mM	0.0051 mL	0.0255 mL	0.0509 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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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481