

## Kisspeptin-10, human TFA

## Chemical Properties

CAS No. :

Formula: C<sub>63</sub>H<sub>83</sub>N<sub>17</sub>O<sub>14</sub>.C<sub>2</sub>H<sub>5</sub>F<sub>3</sub>O<sub>2</sub>

Molecular Weight: 1416.46

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	Kisspeptin-10, human TFA, is a potent vasoconstrictor and angiogenesis inhibitor that also suppresses tumor metastasis through its interaction with the receptor GPR54. It is crucial for embryonic kidney development and promotes osteoblast differentiation through NFATc4-mediated BMP2 expression via the Kisspeptin-10/GPR54 signaling pathway [1].
Targets(IC50)	Kisspeptin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.706 mL	3.5299 mL	7.0599 mL
5 mM	0.1412 mL	0.706 mL	1.412 mL
10 mM	0.0706 mL	0.353 mL	0.706 mL
50 mM	0.0141 mL	0.0706 mL	0.1412 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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