Data Sheet (Cat.No.T83948)

TargetMol

Sakura 6

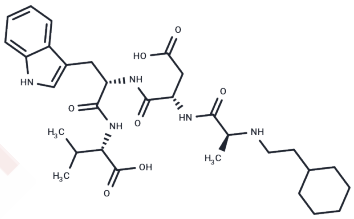
Chemical Properties

CAS No. : 2490708-79-5

Formula: C31H45N5O7

Molecular Weight: 599.73

Storage: Keep away from moisture
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	Sakura 6, a synthetic serotonin transporter (SERT)-binding peptide, enhances the interaction between SERT and neuronal nitric oxide synthase. This interaction decreases SERT activity and its presence on the cell surface, augments auto-inhibition, lowers synaptic 5-HT release, and diminishes activity in the dorsal raphe nucleus, ultimately inducing an acute depressive phenotype in a mouse depression model.
Targets(IC50)	Others,Serotonin Transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6674 mL	8.3371 mL	16.6742 mL
5 mM	0.3335 mL	1.6674 mL	3.3348 mL
10 mM	0.1667 mL	0.8337 mL	1.6674 mL
50 mM	0.0333 mL	0.1667 mL	0.3335 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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