

TAT-P4-(DATC5)2

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	TAT-P4-(DATC5)2 is a potent peptide inhibitor of the PDZ domain of protein interacting with C kinase-1 (PICK1), with a high affinity dissociation constant (K_i) of 1.7 nM. This compound has demonstrated the ability to mitigate addiction behaviors in rat models [1].
Targets(IC50)	PKC
In vivo	TAT-P4-(DATC5)2, administered intravenously at concentrations of 0.99 $\mu\text{g}/\text{kg}$ and 9.9 $\mu\text{g}/\text{kg}$, dose-dependently attenuates the reinstatement of drug-seeking behavior in rats without inducing operational learning deficits or suppressing motor activity [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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