Data Sheet (Cat.No.L9610)

TargetMol
A DRUG SCREENING EXPERT

Cyclic Peptide Library

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Appearance: no data available

Storage:

Powder	-20°C for 3 years
In solvent	-80°C for 2 years

Biological Description

Description	Cyclic peptides are polypeptide chains with a ring structure, connected between the amino and carboxyl termini of a peptide. Many cyclic peptides have been discovered in nature, and many other types of cyclic peptides have been synthesized in the laboratory. Due to their structural specificity, cyclic peptides are a conformationally stable class of compounds among peptide molecules, with high selectivity for receptors, high metabolic stability, and high oral availability. Cyclic peptides generally have a large surface area and can better bind to the surface of target proteins, which can be used in developing protein-protein interaction (PPI) drugs. Cyclic peptides also have a wide range of biological activities, such as antibacterial, antitumor, antifungal, antiviral, and anti-inflammatory bioactivity. The TargetMol Cyclic Peptide Library collects xnum cyclic peptide molecules that can be used for drug development and related mechanistic studies.

Reference

Cell Stem Cell. 2022 Apr 29(4) 545-558.
Blood. 2021, 137(11): 1478-1490.
Nucleic Acids Research. 2021.
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Advanced Science. 2020, 7(16): 2000925.
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