

Rev03  
Update: Feb,10,2022

**DATASHEET**

# N-Acetyl-Ser-Asp-Lys-Pro

Cat. No.: RP10555

## Overview

<b>Synonyms</b>	AcSDKP; Ac-S-D-K-P
<b>Description</b>	Acetyl Ser-Asp-Lys-Pro is formed in bone marrow cells by enzymatic processing of thymosin $\beta$ 4. It inhibits the entry of pluripotent hemopoietic stem cells into S-phase of the cell cycle and protects against Ara-C lethality in mice. Acetyl Ser-Asp-Lys-Pro is also a specific substrate for the N-terminal active site of angiotensin-converting enzyme, which is responsible for its degradation <i>in vivo</i> .
<b>Cas No</b>	127103-11-1
<b>Sequence</b>	{SER}{ASP}{LYS}{PRO}
<b>Sequence Shortening</b>	SDKP
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>33</sub> N <sub>5</sub> O <sub>9</sub>
<b>N Terminal</b>	AC
<b>Molecular Weight</b>	487.5

## Properties

<b>Purity</b>	> 95%
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C.
<b>Note</b>	(CFU-S = Spleen Colony-Forming Units) N-Acetyl-Ser-Asp-Lys-Pro exerts a high inhibitory activity on the proliferation of hematopoietic pluripotent stem cells

## Examples

