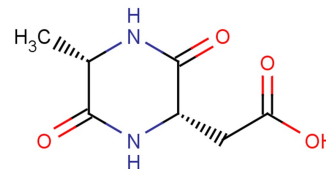


## Aspartyl-alanyl-diketopiperazine

## Chemical Properties

CAS No.:	110954-19-3
Formula:	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	186.17
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Aspartyl-alanyl-diketopiperazine (DA-DKP) is an immunomodulatory molecule generated by cleavage and cyclization from the N-terminus of human albumin.
Targets(IC <sub>50</sub> )	Others: None
In vitro	Aspartyl-alanyl-diketopiperazine can modulate the inflammatory immune response through a molecular pathway implicated in T- lymphocyte anergy.

## Solubility Information

Solubility	DMSO: 125 mg/mL (671.43 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.371 mL	26.857 mL	53.714 mL
5 mM	1.074 mL	5.371 mL	10.743 mL
10 mM	0.537 mL	2.686 mL	5.371 mL
50 mM	0.107 mL	0.537 mL	1.074 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Bar-Or D, et al. Dipeptidyl peptidase IV activity in commercial solutions of human serum albumin. Anal Biochem. 2013 Oct 1;441(1):13-7.
2. Shimonkevitz R, et al. A diketopiperazine fragment of human serum albumin modulates T-lymphocyte cytokine production through rap1. J Trauma. 2008 Jan;64(1):35-41.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481