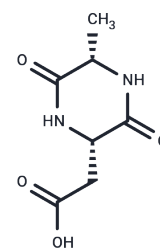


Aspartyl-alanyl-diketopiperazine

Chemical Properties

CAS No. :	110954-19-3
Formula:	C ₇ H ₁₀ N ₂ O ₄
Molecular Weight:	186.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Aspartyl-alanyl-diketopiperazine (DA-DKP) is a known immunomodulatory molecule derived from the N terminus of human albumin.
Targets(IC50)	Interleukin
In vitro	Ampion can modulate the inflammatory immune response through a molecular pathway implicated in T- lymphocyte anergy[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (537.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3714 mL	26.8572 mL	53.7143 mL
5 mM	1.0743 mL	5.3714 mL	10.7429 mL
10 mM	0.5371 mL	2.6857 mL	5.3714 mL
50 mM	0.1074 mL	0.5371 mL	1.0743 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.

Reference

- 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.
- 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.

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