

Aspartyl-alanyl-diketopiperazine acetate

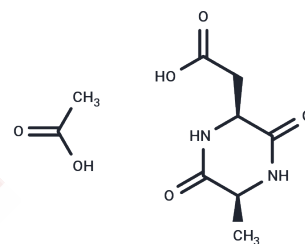
Chemical Properties

CAS No. :

Formula: C₉H₁₄N₂O₆

Molecular Weight: 246.22

Storage: Keep away from moisture
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 | Aspartyl-alanyl-diketopiperazine acetate (DA-DKP) (DA-DKP) can modulate the inflammatory immune response through a molecular pathway implicated in T-lymphocyte anergy. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 120 mg/mL (487.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 4.0614 mL | 20.307 mL | 40.6141 mL |
| 5 mM | 0.8123 mL | 4.0614 mL | 8.1228 mL |
| 10 mM | 0.4061 mL | 2.0307 mL | 4.0614 mL |
| 50 mM | 0.0812 mL | 0.4061 mL | 0.8123 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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