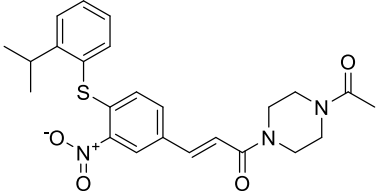


Product data sheet



MedKoo Cat#: 531346 Name: A286982 CAS#: 280749-17-9 Chemical Formula: C ₂₄ H ₂₇ N ₃ O ₄ S Exact Mass: 453.1722 Molecular Weight: 453.557	
Product supplied as: Powder	
Purity (by HPLC): ≥ 98%	
Shipping conditions: Ambient temperature	
Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

A286982 is an inhibitor that blocks the integrin-ligand interaction between leukocyte function-associated antigen-1 (LFA-1) and intercellular adhesion molecule-1. A286982 showed IC₅₀ values 44 and 35 nM in LFA-1/ICAM-1 binding and LFA-1-mediated cell adhesion assays respectively.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	45.35	100.0
Ethanol	22.68	50.0

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.20 mL	11.02 mL	22.05 mL
5 mM	0.44 mL	2.20 mL	4.41 mL
10 mM	0.22 mL	1.10 mL	2.20 mL
50 mM	0.04 mL	0.22 mL	0.44 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

N/A

In vivo study

N/A

7. Bioactivity

Biological target:

A286982 is an inhibitor blocking the integrin-ligand interaction between leukocyte function-associated antigen-1 (LFA-1) and intercellular adhesion molecule-1.

In vitro activity

N/A

In vivo activity

N/A

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Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.