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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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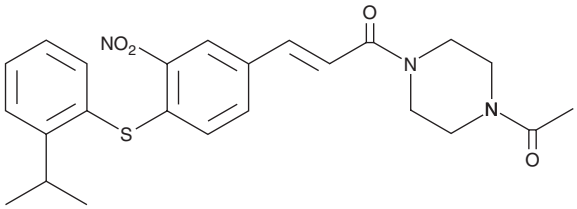
PRODUCT INFORMATION

A286982

Item No. 27646

CAS Registry No.:	280749-17-9
Formal Name:	(2E)-1-(4-acetyl-1-piperazinyl)-3-[4-[[2-(1-methylethyl)phenyl]thio]-3-nitrophenyl]-2-propen-1-one
MF:	$C_{24}H_{27}N_3O_4S$
FW:	453.6
Purity:	≥98%
UV/Vis.:	λ_{max}: 316 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

A286982 is supplied as a crystalline solid. A stock solution may be made by dissolving the A286982 in the solvent of choice, which should be purged with an inert gas. A286982 is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of A286982 in these solvents is approximately 30 mg/ml.

A286982 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, A286982 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. A286982 has a solubility of approximately 0.33 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

A286982 is an inhibitor that blocks the integrin-ligand interaction between leukocyte function-associated antigen-1 (LFA-1) and intercellular adhesion molecule-1 (ICAM-1; IC_{50} = 35 nM).[1] It inhibits adhesion of JY-8 cells to ICAM-1-coated microtiter plates (IC_{50} = 44 nM).

Reference

1. Liu, G., Link, J.T., Pei, Z., *et al.* Discovery of novel p-arylthio cinnamides as antagonists of leukocyte function-associated antigen-1/intracellular adhesion molecule-1 interaction. 1. Identification of an additional binding pocket based on an anilino diaryl sulfide lead. *J. Med. Chem.* **43(21)**, 4025-4040 (2000).

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