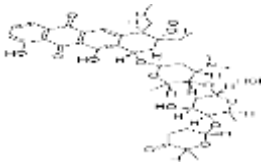
PRODUCT: Aclacinomycin A hydrochloride

ALTERNATE NAMES: Aclarubicin hydrochloride

CATALOG NUMBER: B1905-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{42}H_{53}NO_{15}$ • HCl

MOLECULAR WEIGHT: 848.3

CAS NUMBER: 75443-99-1

APPEARANCE: Orange solid

SOLUBILITY: DMSO (~ 30 mg/ml)

PURITY: ≥90% by HPLC

STORAGE: Store at -20 ℃. Protect from air and light

DESCRIPTION: Aclacinomycin A is a specific inhibitor of the 20S proteasome chymotrypsin-like activity. Inhibition of Brg1 proteasomal degradation by aclacinomycin A reverses (0.25 µM in ILU-18 cells) the removal of Brg1 from promoters of inflammatory genes elucidating the regulatory role of the proteasome in controlling the duration of the inflammatory process. Induces the differentiation of K562 cells towards the erythroid pathway. Induces apoptosis. Cell permeable.

REFERENCES:

Figueiroda-Pereira, M.E., *et al.* (1996). *J. Biol. Chem.* 271, 16455-16459.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Aclacinomycin A hydrochloride **(Cat. No. B1905-1,5)**
Calpain Inhibitor I, ALLN **(Cat. No. 1834-5, 25)**
Calpain Inhibitor II, ALLM **(Cat. No. 1834-5, 25)**
Clasto-Lactacystin β-Lactone **(Cat. No. 1710-100)**
E6AP Antibody **(Cat. No. 3744-100)**
(-)-Epigallocatechin gallate **(Cat. No. 1841-50**
Fenbendazole **(Cat. No. 2157-100, 500)**
Isopeptidase T (short form), human recombinant **(Cat. No. 4861-25)**
Isopeptidase T (long form), human recombinant **(Cat. No. 4862-25)**
Lactacystin **(Cat. No. 1709-200)**
MG-115 **(Cat. No. 1831-1, 5)**
EZSolution™ MG-115 **(Cat. No. 2144-1)**
MG-132 **(Cat. No. 1703-5, 25)**
PS-341 **(Cat. No. 1846-1,5)**
EZSolution™ MG-132 **(Cat. No. 1791-5)**
Proteasome Activity Assay Kit **(Cat. No. K245-100)**
Proteasome Substrate, Fluorogenic **(Cat. No. 1832-1, 5)**
PYR-41 **(Cat. No. 1925-5, 25)**
PS-341 **(Cat. No. 1846-1, 5)**
EZSolution™ PS-341 **(Cat. No. 2145-1)**
Suc-Leu-Leu-Val-Tyr-AMC **(Cat. No. 1833-5)**
VR23 **(Cat. No. B1515-5,25)**

USAGE: ***FOR RESEARCH USE ONLY! Not to be used in humans***

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