



Product Information

L-Alanine-7-amido-4-methylcoumarin hydrochloride

Cat. No.: X24-11-LY491

Size: 1 mg; 2 mg; 5 mg; 10 mg

MDL: MFCD00077086

CAS Number: 77471-41-1

Compound CID: 688602

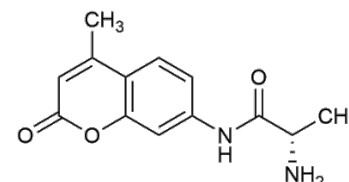
Synonym: 77471-41-1; L-Ala-AMC·HCl;

(S)-2-Amino-N-(4-methyl-2-oxo-2H-chromen-7-yl)propanamide; H-ALA-AMC;

(2S)-2-Amino-N-(4-methyl-2-oxochromen-7-yl)propanamide;

(2S)-2-Amino-N-(4-methyl-2-oxo-chromen-7-yl)propanamide; l-

alanine-7-amido-4-methylcoumarin



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	L-Alanine-7-amido-4-methylcoumarin hydrochloride is an AMC substrate and has yellow fluorescence.
Molecular Weight	282.72
Molecular Formula	C ₁₃ H ₁₄ N ₂ O ₃ •HCl
IUPAC Name	(2S)-2-Amino-N-(4-methyl-2-oxochromen-7-yl)propanamide
InChI	InChI=1S/C13H14N2O3/c1-7-5-12(16)18-11-6-9(3-4-10(7)11)15-13(17)8(2)14/h3-6,8H,14H2,1-2H3,(H,15,17)/t8-m/s1
InChI Key	IWSOXHMIRLSLKT-QMMMGPBSA-N
SMILES string	CC1=CC(=O)OC2=C1C=CC(=C2)NC(=O)[C@H](C)N
Form	Powder
Purity	≥90%, determined by NMR.
Identity	Confirmed by NMR.
Applications	L-Alanine-7-amido-4-methylcoumarin hydrochloride is often used for enzymatic activity detection, especially in experiments where fluorescently labeled.
Storage	Store at 4°C.