CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

# Product Information

## Fluorogenic substrate D-alanine 7-amido-4-methylcoumarin trifluoroacetate salt

**Cat. No.:** X24-02-LY072

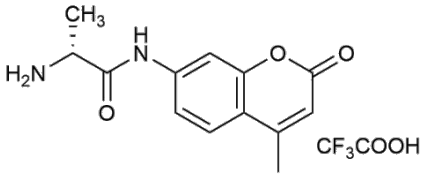
**Size:** 50 mg; 100 mg; 250 mg; 500 mg; 1 g

**CAS Number:** 201847-52-1

**Compound CID:** 24801882

**Synonym:** 201847-52-1; D-Alanine-AMC.TFA;

(*R*)-2-Amino-*N*-(4-methyl-2-*oxo*-2*H*-chromen-7-yl)propanamide 2,2,2-trifluoroacetate




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

## Product Information

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|---|---|
| **Description** | D-Alanine 7-amido-4-methylcoumarin trifluoroacetate salt is an amino acid compound with fluorescent properties. |
| **Molecular Weight** | 360.3 |
| **Molecular Formula** | $C_{15}H_{15}F_3N_2O_5$ |
| **IUPAC Name** | (2*R*)-2-Amino-*N*-(4-methyl-2-oxochromen-7-yl)propanamide;2,2,2-trifluoroacetic acid |
| **InChI** | InChI=1S/C13H14N2O3.C2HF3O2/c1-7-5-12(16)18-11-6-9(3-4-10(7)11)15-13(17)8(2)14;3-2(4,5)1(6)7/h3-6,8H,14H2,1-2H3,(H,15,17);(H,6,7)/t8-;/m1./s1 |
| **InChI Key** | YYGKKBUKGNFDJW-DDWIOCJRSA-N |
| **Canonical SMILES** | CC1=CC(=O)OC2=C1C=CC(=C2)NC(=O)C(C)N.C(=O)(C(F)(F)F)O |
| **Isomeric SMILES** | CC1=CC(=O)OC2=C1C=CC(=C2)NC(=O)[C@@H](C)N.C(=O)(C(F)(F)F)O |
| **Form** | Powder |
| **Purity** | >99%, determined by HPLC. |
| **Solubility** | It is soluble in water at a concentration of 10%. |
| **Applications** | D-Alanine 7-amido-4-methylcoumarin trifluoroacetate salt can be used to study apoptosis, signaling, metabolic pathways and other biological processes. |
| **Storage** | Store at -20°C. |

## Safety Information

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| **Personal Protective Equipment** | Gloves, Safety glasses, FFP2 or N95 masks |

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