Product Data Sheet

Product Name: Ac-ETDK(myr)-AMC acetate
Cat. No.: GC81867

Chemical Properties

Cas. No.

Formula	$C_{45}H_{68}N_6O_{13}{\cdot}xC_2H_4O_2$	M.Wt	901.05
Solubility	DMSO: 50 mg/mL (Need ultrasonic)	Storage	Sealed storage, away from moisture
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure

Product Data Sheet

Background

Ac-ETDK(myr)-AMC acetate is a DLAT-derived ε-N-myristoyllysine peptide substrate for fatty-acid deacylase HDAC11, used in fluorescence-based HDAC11 activity assays. Ac-ETDK(myr)-AMC acetate undergoes cleavage of ε-N-myristoyllysine by HDAC11, followed by trypsin-mediated cleavage of C-terminal lysine to release measurable fluorophore AMC [1].

In Vitro, Ac-ETDK(myr)-AMC acetate serves as an efficient ε-N-myristoyllysine substrate for recombinant HDAC11 in an AMC-based fluorescence activity assay[1].

References:

[1]. Schäker-Hübner L, et al. Recommended Tool Compounds: Isoform- and Class-Specific Histone Deacetylase Inhibitors. ACS pharmacology & translational science. 2026 Mar 13;9(3):462-489.

Caution: Product has not been fully validated for medical applications. For research use only.

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