
Product Data Sheet

Product Name: Ac-IEPD-AFC
Cat. No.: GC10258

Chemical Properties

Cas. No. 1135417-31-0

Chemical Name 4-[(2-acetamido-3-methylpentanoyl)amino]-5-[2-[[3-carboxy-1-oxo-1-[[2-oxo-4-(trifluoromethyl)chromen-7-yl]amino]propan-2-yl]carbamoyl]pyrrolidin-1-yl]-5-oxopentanoic acid

SMILES CCC(C)C(C(=O)NC(CCC(=O)O)C(=O)N1CCCC1C(=O)NC(CC(=O)O)C(=O)NC2=CC3=C(C=C2)C(=CC(=O)O3)C(F)(F)F)NC(=O)C

Formula C₃₂H₃₈F₃N₅O₁₁ M.Wt 725.67

Solubility Soluble to 14.51 mg/ml in DMSO Storage Desiccate at -20°C

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

Background

Ac-IEPD-AFC (IEPD) is a substrate of Granzyme B[1].

The Km of human granzyme B for Ac-IEPD-AFC in granzyme B assay buffer is 585 μM[1].

References:

[1]. Pak SC, et al. SRP-2 is a cross-class inhibitor that participates in postembryonic development of the nematode *Caenorhabditis elegans*: initial characterization of the clade L serpins. *J Biol Chem.* 2004 Apr 9;279(15):15448-59.

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

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