

Product Data Sheet

Product Name: AC-VEID-CHO TFA

Cat. No.: GC70289

Chemical Properties

Cas. No.

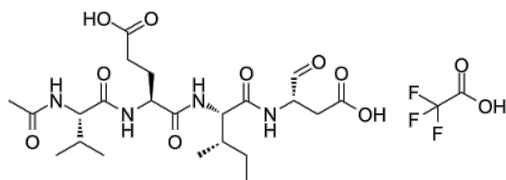
Formula $C_{24}H_{37}F_3N_4O_{11}$ M.Wt 614.57

Solubility H_2O : 1 mg/mL (1.63 mM; Need ultrasonic and warming) 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



Background

AC-VEID-CHO (TFA) is a peptide-derived caspase inhibitor and has potency of inhibition for Caspase-6, Caspase-3 and Caspase-7 with IC₅₀ values of 16.2 nM, 13.6 nM and 162.1 nM, respectively. AC-VEID-CHO (TFA) can be used for the research of neurodegenerative conditions including Alzheimer's and Huntington's disease.

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

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AC-VEID-CHO (TFA) has potency of inhibition for Caspase-6, Caspase-3 and Caspase-7 with IC₅₀ values of 16.2 nM, 13.6 nM and 162.1 nM, respectively^[1].

Ac-VEID-CHO is predominantly excluded from accessing the intracellular environment (0.16% cellular accumulation) and lacks any activity with an IC₅₀ value of >100 µM in the cellular assay^[1].

AC-VEID-CHO (TFA) (also inactive in lamin degradation assay) is clearly able to inhibit VEIDase activity with an IC₅₀ value of 0.49 µM when the membrane barrier is removed^[1].

References:

[1]. Robert Mintzer, et al. A whole cell assay to measure caspase-6 activity by detecting cleavage of lamin A/C. PLoS One. 2012;7(1):e30376.

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