

Product Data Sheet

Product Name: D-Val-Leu-Lys-AMC TFA

Cat. No.: GC79732

Chemical Properties

Cas. No.

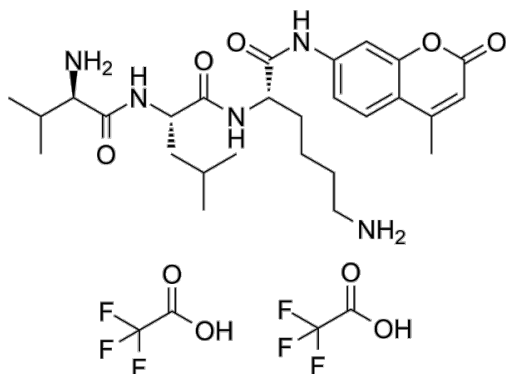
Formula $C_{31}H_{43}F_6N_5O_9$ M.Wt 743.69

Solubility DMSO: 100 mg/mL (134.46 mM; 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



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

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Background

D-Val-Leu-Lys-AMC TFA is a selective fluorogenic peptide substrate of plasmin. D-Val-Leu-Lys-AMC TFA can be used for the quantification of enzymatic activity of plasmin. Ex: 360-380 nm, Em: 440-460 nm [1].

References:

[1]. Zeitlmayr S, et, al. TRPM7 restrains plasmin activity and promotes transforming growth factor- β 1 signaling in primary human lung fibroblasts. Arch Toxicol. 2022 Oct;96(10):2767-2783.

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