
Product Data Sheet

Product Name: Epsilon-(gamma-glutamyl)-lysine TFA

Cat. No.: GC64195

Chemical Properties

Cas. No.

Formula C₁₃H₂₂F₃N₃O₇

M.Wt 389.32

Solubility DMSO : 250 mg/mL (642.15 mM; Need ultrasonic)

Storage -20°C, 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**

Epsilon-(gamma-glutamyl)-lysine (H-Glu(H-Lys-OH)-OH) TFA is an N(6)-acyl-L-lysine derivative. The enzyme tissue transglutaminase (tTg) helps the formation of epsilon-(gamma-glutamyl)lysine bonds between ECM components in some disease, such as non-diabetic kidney, glaucoma filtration[1].

[1]. Siegfried G Priglinger, et al. Potential Role of Tissue Transglutaminase in Glaucoma Filtering Surgery. Invest Ophthalmol Vis Sci. 2006 Sep;47(9):3835-45. [2]. A M El Nahas, et al. Elevated Epsilon-(Gamma-Glutamyl)lysine in Human Diabetic Nephropathy Results From Increased Expression and Cellular Release of Tissue Transglutaminase. Nephron Clin Pract. 2004;97(3):c108-17.

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

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