

Product Data Sheet

Product Name: Gamma-Glu-Abu acetate

Cat. No.: GC79197

Chemical Properties

Cas. No.

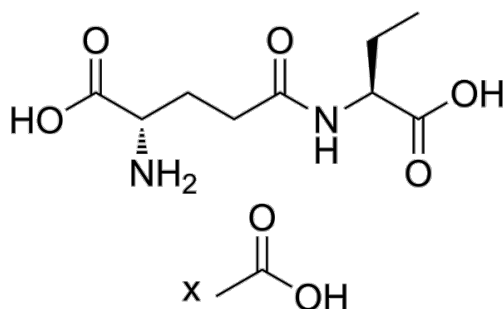
Formula $C_9H_{16}N_2O_5 \cdot xC_2H_4O_2$ M.Wt 232.23

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



Background

Gamma-Glu-Abu acetate is a CaSR activator with an EC₅₀ of 0.21 μM (in HEK-293 cells). Gamma-Glu-Abu acetate interacts with the extracellular venus flytrap domain of hCaSR via its N-terminal γ-L-glutamyl residue, the neutral aliphatic side chain of the Abu residue, and the C-terminal carboxylic acid group [1].

In Vitro, Gamma-Glu-Abu (0.1-1000 μM) acetate acts as an agonist of human CaSR in HEK-293 cells, with an EC₅₀ of 0.21 μM [1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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References:

[1]. Amino Y, et al. Structure-CaSR-Activity Relation of Kokumi γ -Glutamyl Peptides. Chemical & pharmaceutical bulletin. 2016;64(8):1181-9.

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