Product Data Sheet

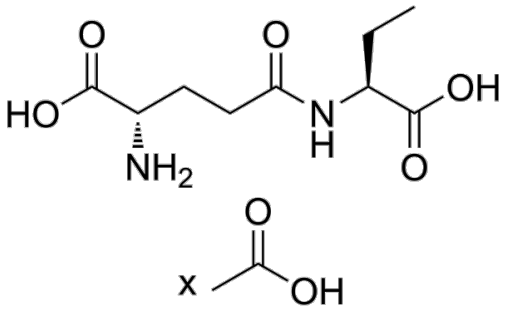
Product Name: Gamma-Glu-Abu acetate
Cat. No.: GC79197

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 EC 50 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

Product Data Sheet

References:

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

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