Product Data Sheet

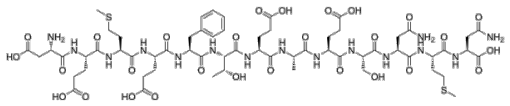
Product Name: GR-11-1
Cat. No.: GC81561

Chemical Properties

Cas. No.

Formula	$C_{61}H_{91}N_{15}O_{28}S_2$	M.Wt	1546.59
Solubility	DMSO: 25 mg/mL (16.16 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.
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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Background

GR-11-1 is a GRK2 substrate for phosphorylation. GR-11-1 exhibits lower sensitivity and affinity for G protein-coupled receptor kinase 2 [1].

In Vitro, GR-11-1 (50 μM; 60 min at 30 °C) functions as a substrate for recombinant human GRK2 (expressed in insect cells) with a Km of 33.9 μM and a Vmax of 0.35 pmol/min/mg, and exhibits low phosphorylation by recombinant human GRK5[1].

References:

[1]. Asai D, et al. A high-affinity peptide substrate for G protein-coupled receptor kinase 2 (GRK2). Amino Acids. 2019;51(6):973-976.

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