

Product Data Sheet

Product Name: GR-11-1

Cat. No.: GC81561

Chemical Properties

Cas. No.

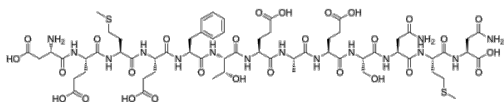
Formula $C_{61}H_{91}N_{15}O_{28}S_2$ M.Wt 1546.59

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.

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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 μ M; 60 min at 30 °C) functions as a substrate for recombinant human GRK2 (expressed in insect cells) with a K_m of 33.9 μ M and a V_{max} 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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