

## Product Data Sheet

Product Name: AGFAGDDAPR

Cat. No.: GC79667

### Chemical Properties

Cas. No. 330204-04-1

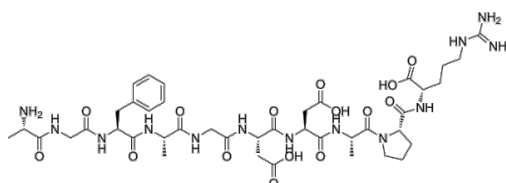
Formula  $C_{41}H_{61}N_{13}O_{15}$  M.Wt 976

Solubility 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

AGFAGDDAPR is a bioactive peptide that is a competitive and orally effective inhibitor of dipeptidyl peptidase-IV (DPP-IV). AGFAGDDAPR can enhance the level of GLP-1 in the body by inhibiting DPP-IV, thereby stimulating insulin secretion, improving  $\beta$ -cell function, and inhibiting abnormal proliferation of  $\alpha$ -cells, exerting anti-diabetic effects. AGFAGDDAPR can be used for research on type 2 diabetes [1].

### References:

[1]. Lu Y, et al. A Novel Dipeptidyl Peptidase IV Inhibitory Tea Peptide Improves Pancreatic  $\beta$ -Cell

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

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Function and Reduces  $\alpha$ -Cell Proliferation in Streptozotocin-Induced Diabetic Mice. Int J Mol Sci. 2019 Jan 14;20(2):322.

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