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## Product Data Sheet

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Product Name: NP-12 (TFA)

Cat. No.: GC36768

### Chemical Properties

Cas. No.

Formula C<sub>144</sub>H<sub>227</sub>F<sub>3</sub>N<sub>40</sub>O<sub>50</sub>

M.Wt 3375.63

Solubility Soluble in DMSO

Storage Store at -20°C

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

NP-12 (TFA) is a peptide antagonist of the PD-1 signaling pathway, displays equipotent antagonism toward PD-L1 and PD-L2 in rescue of lymphocyte proliferation and effector functions. NP-12 (TFA) exhibits immune activation, excellent antitumor activity, and potential for better management of immune-related adverse events (irAEs)[1]. PD-1 signaling pathway[1]

[1]. Sasikumar PG, et al. A Rationally Designed Peptide Antagonist of the PD-1 Signaling Pathway as an Immunomodulatory Agent for Cancer Therapy. Mol Cancer Ther. 2019 Jun;18(6):1081-1091.

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

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