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## Product Data Sheet

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Product Name: DPC-AJ1951 TFA

Cat. No.: GC69007

### Chemical Properties

Cas. No.

Formula C<sub>78</sub>H<sub>128</sub>F<sub>3</sub>N<sub>23</sub>O<sub>21</sub>

M.Wt 1781.02

Solubility H<sub>2</sub>O : 100 mg/mL (56.15 mM; Need ultrasonic) 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

DPC-AJ1951 TFA, a 14 amino acid peptide that acts as a potent agonist of the paratroid hormone (**PTH**)/PTH-related peptide receptor (PPR). And characterized the activity of DPC-AJ1951 TFA in ex vivo and in vivo assays of bone resorption<sup>[1]</sup>.

DPC-AJ1951 TFA induces intracellular Ca<sup>2+</sup> mobilization in HEK 293 cells transfected with the human PPR (EC<sub>50</sub> 26±14 nM)<sup>[1][1]</sup>.

[1]. Percy H Carter, et al. Discovery of a Small Molecule Antagonist of the Paratroid Hormone Receptor by Using an N-terminal Paratroid Hormone Peptide Probe. Proc Natl Acad Sci U S A. 2007 Apr 17;104(16):6846-51.

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

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