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## Product Data Sheet

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Product Name: TH-Z145  
Cat. No.: GC70027

### Chemical Properties

Cas. No. 2260887-57-6

Formula  $C_{16}H_{28}O_7P_2$  M.Wt 394.34

Solubility DMSO : 100 mg/mL (253.59 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

TH-Z145, a lipophilic bisphosphonate, is a **FPPS** inhibitor (**IC<sub>50</sub>**: 210 nM)<sup>[1]</sup>.

TH-Z145 (20 µg, i.p.) exhibits strong proplactic effects in a pathogenic influenza model<sup>[1]</sup>.

Animal Model: B16-OVA cells (s.c.) xenograft mice model<sup>[1]</sup>.

Dosage: 20 µg

Administration: Intraperitoneal injection (i.p.)

Result: Inhibited tumor growth and prolonged survival.

[1]. Xia Y, et al. The Mevalonate Pathway Is a Druggable Target for Vaccine Adjuvant Discovery. Cell. 2018 Nov 1;175(4):1059-1073.e21.

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

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