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**Product Data Sheet**


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Product Name: Pseudouridimycin

Cat. No.: GC38466

**Chemical Properties**

Cas. No. 1566586-52-4

SMILES N=C(N)NCC(N([C@H](C(NC[C@H]1O[C@@H](C(C(N2)=O)=CNC2=O)[C@H](O)[C@@H]1O)=O)CCC(O)=O)O)=O

Formula	C <sub>17</sub> H <sub>25</sub> N <sub>7</sub> O <sub>10</sub>	M.Wt	487.42
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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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**

Pseudouridimycin (PUM), an antibiotic, is a selective bacterial RNA polymerase (RNAP) inhibitor. Pseudouridimycin is a C-nucleoside analogue that is effective against both Gram-negative and Gram-positive bacteria[1].

[1]. Rosenqvist P, et al. Characterization of C-nucleoside Antimicrobials from *Streptomyces albus* DSM 40763: Strepturidin is Pseudouridimycin. *Sci Rep.* 2019 Jun 20;9(1):8935.

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

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