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**Product Data Sheet**

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Product Name: PNU-101603

Cat. No.: GC67953

**Chemical Properties**

Cas. No. 168828-60-2

Formula  $C_{16}H_{20}FN_3O_4S$ 

M.Wt 369.41

Solubility DMSO : 100 mg/mL (270.70 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**

PNU-101603 is a sulfoxide metabolite of Sutezolid . PNU-101603 alone or combined with SQ109 shows excellent activity against *Mycobacterium tuberculosis* (MTB), as well as against drug-susceptible and multidrug-resistant TB<sup>[1][2]</sup>.

PNU-101603 (compound 7, 21 days) inhibits *M. tuberculosis* activity<sup>[2]</sup>.

Cell Viability Assay<sup>[2]</sup>Cell Line: *M. tuberculosis*

Concentration: 0-1 µg/mL approximately

Incubation Time: 21 days

Result: Inhibited *M. tuberculosis* with a MIC value  $\leq 0.125$  µg/mL.

[1]. Reddy VM, et al. SQ109 and PNU-100480 interact to kill *Mycobacterium tuberculosis* in vitro. J Antimicrob Chemother. 2012 May;67(5):1163-6.

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

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[2]. Barbachyn MR, et al. Identification of a novel oxazolidinone (U-100480) with potent antimycobacterial activity. J Med Chem. 1996 Feb 2;39(3):680-5.

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