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**Product Data Sheet**

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Product Name: Aspartocin D

Cat. No.: GC18978

**Chemical Properties**

Cas. No. 1562369-96-3

Chemical Name N/A

SMILES N/A

Formula  $C_{56}H_{87}N_{13}O_{20}$  M.Wt 1262.4

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**

Aspartocin D is a lipopeptide antibiotic originally isolated from *S. canus* FIM0916. It has activity against Gram-positive bacteria, including *B. subtilis* and *S. aureus* (MICs = 0.125 and 0.5 µg/ml, respectively). The antibiotic activity is calcium-dependent, with MICs ranging from 0.06-4 and 0.25-8 µg/ml for *B. subtilis* and *S. aureus*, respectively, in the presence of higher (2.5 mM) to lower (0.125 mM) calcium concentrations.

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

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