

## Product Data Sheet

Product Name: Murepavadin TFA

Cat. No.: GC36664

### Chemical Properties

Cas. No.

Formula  $C_{73}H_{112}N_{22}O_{16}.C_2HF_3O_2$  M.Wt 1667.83

Solubility  $H_2O$  : 50 mg/mL (29.98 mM; Need ultrasonic) Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  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

Cyclo(AS-(d-Pro)-PTWI-(Dab)-(Orn)-(d-Dab)-(Dab)-W-(Dab)-(Dab))



### Background

Murepavadin (TFA), a 14-amino-acid cyclic peptide, is a highly potent, specific antibiotic for the treatment of bacterial infections caused by *Pseudomonas aeruginosa*. Murepavadin (TFA) targets the lipopolysaccharide transport portin D [1]. *P. aeruginosa*[1].

[1]. Matteo Bassetti, et al. New antibiotics for ventilator-associated pneumonia. Curr Opin Infect Dis. 2018 Jan 13.

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

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