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## Product Data Sheet

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Product Name: Antibacterial agent 18

Cat. No.: GC62534

### Chemical Properties

Cas. No. 1239602-35-7

Formula  $C_{39}H_{27}NO_6$  M.Wt 605.63

Solubility 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

### Background

Antibacterial agent 18 is a multi-arm AIE molecule extracted from patent CN110123801A, compound 23. Antibacterial agent 18 can be used for resisting Gram-positive and Gram-negative bacteria. Antibacterial agent 18 can be conjugated in the cell wall of rigid arm configuration insertion bacterium, and block cell wall turns sugar and turns peptide process, to inhibit or kill bacterium[1].

Antibacterial agent 18 ( $0.004-4 \mu\text{g/mL}$ ; 24 h) inhibits the growth of Gram-positive and Gram-negative bacteria, with MICs ranging from  $0.008-1 \mu\text{g/mL}$ [1].

[1]. Jiang XY, et, al. The purposes and antibacterials of a kind of multi-arm AIE molecule in preparation antibacterials. CN110123801A.

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

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