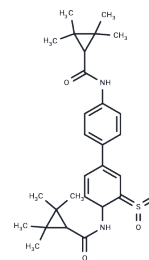


BRD7116

## Chemical Properties

CAS No. : 329059-55-4  
 Formula: C<sub>28</sub>H<sub>36</sub>N<sub>2</sub>O<sub>4</sub>S  
 Molecular Weight: 496.66  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

|               |   |
|---------------|---|
| Description   | BRD7116 competitively binds to bacterial DNA gyrase, exhibiting cell-non-autonomous anti-leukemia activity. |
| Targets(IC50) | Antibacterial,DNA gyrase  |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 4.97 mg/mL (10.01 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0134 mL | 10.0672 mL | 20.1345 mL |
| 5 mM  | 0.4027 mL | 2.0134 mL  | 4.0269 mL  |
| 10 mM | 0.2013 mL | 1.0067 mL  | 2.0134 mL  |
| 50 mM | 0.0403 mL | 0.2013 mL  | 0.4027 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Hartwell KA, et al. Nat Chem Biol. 2013 Dec;9(12):840-848

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