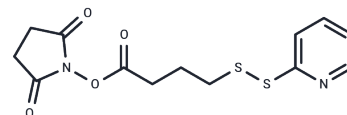


## SPDB

## Chemical Properties

CAS No. : 115088-06-7  
 Formula: C<sub>13</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>  
 Molecular Weight: 326.39  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|               |                                                                                                                                                      |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | SPDB is a small fragment linked to DM4 conjugates. It conjugates to antibodies utilizing disulfide linkers: anti-EGFR-SPDB-DM4 has been widely used. |
| Targets(IC50) | Others                                                                                                                                               |

## Solubility Information

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| Solubility | DMSO: 10 mM,<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.0638 mL | 15.3191 mL | 30.6382 mL |
| 5 mM  | 0.6128 mL | 3.0638 mL  | 6.1276 mL  |
| 10 mM | 0.3064 mL | 1.5319 mL  | 3.0638 mL  |
| 50 mM | 0.0613 mL | 0.3064 mL  | 0.6128 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.

## Reference

Widdison WC et al. Development of Anilino-Maytansinoid ADCs that Efficiently Release Cytotoxic Metabolites in Cancer Cells and Induce High Levels of Bystander Killing. Bioconj Chem, 2015 Nov 18, 26(11):2261-78.

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