

SGD-1910

## Chemical Properties

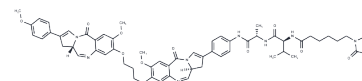
CAS No. : 1342820-51-2

Formula: C<sub>60</sub>H<sub>64</sub>N<sub>8</sub>O<sub>12</sub>

Molecular Weight: 1089.2

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|               |                                                                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | MC-Val-Ala-PBD is a drug-linker conjugate for ADC by using the antitumor antibiotic, pyrrolobenzodiazepine (PBD, a cytotoxic DNA crosslinking), linked via the cleavable linker MC-Val-Ala[1]. |
| Targets(IC50) | Others                                                                                                                                                                                         |
| In vitro      | ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1].                                                                                              |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.9181 mL | 4.5905 mL | 9.1811 mL |
| 5 mM  | 0.1836 mL | 0.9181 mL | 1.8362 mL |
| 10 mM | 0.0918 mL | 0.4591 mL | 0.9181 mL |
| 50 mM | 0.0184 mL | 0.0918 mL | 0.1836 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

Jeffrey SC, et al. A potent anti-CD70 antibody-drug conjugate combining a dimeric pyrrolobenzodiazepine drug with site-specific conjugation technology. Bioconjug Chem. 2013 Jul 17;24(7):1256-63.

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