

SGD-1910

## Chemical Properties

CAS No. : 1342820-51-2

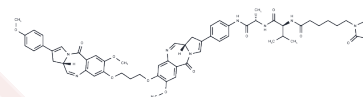
Formula: C<sub>60</sub>H<sub>64</sub>N<sub>8</sub>O<sub>12</sub>

Molecular Weight: 1089.2

Keep away from direct sunlight

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	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)	Drug-Linker Conjugates for ADC,PROTAC Linker
In vitro	Antibody-drug conjugates (ADCs) consist of an antibody linked to a cytotoxin via a specific 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.

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

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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