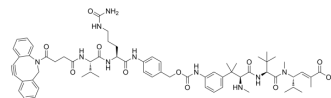


SC239

| | |
|---------------------------|--|
| Cat. No.: | HY-148194 |
| CAS No.: | 1977557-97-3 |
| Molecular Formula: | C ₆₅ H ₈₄ N ₁₀ O ₁₁ |
| Molecular Weight: | 1181.42 |
| Target: | Drug-Linker Conjugates for ADC |
| Pathway: | Antibody-drug Conjugate/ADC Related |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 75 mg/mL (63.48 mM; Need ultrasonic)

| Solvent | Mass | Concentration | | |
|---------------------------|-------|---------------|-----------|-----------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 0.8464 mL | 4.2322 mL | 8.4644 mL |
| | 5 mM | 0.1693 mL | 0.8464 mL | 1.6929 mL |
| | 10 mM | 0.0846 mL | 0.4232 mL | 0.8464 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

SC239 is a cleavable 2-aminophenyl hemiasterlin agent-linker. SC239 can be as the agent-linker for ADC^[1]. SC239 is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.

In Vitro

SC239 is composed of a tubulin-targeting 3-aminophenyl hemiasterlin warhead, [SC209](#) (HY-144880), and a cleavable valine citrulline p-aminobenzyl carbamate linker functionalized with dibenzocyclooctyne (DBCO)^[1]. The SC239 drug-linker is conjugated via a cleavable valine citrulline p-aminobenzyl carbamate linker functionalized with dibenzocyclooctyne (DBCO)^[1]. SC239 conjugates exhibits better cytotoxic activity on Igrov1 cells which have lower expression levels of FolRα^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xiaofan Li, et al. Abstract 1782: Discovery and activity of STRO-002, a novel ADC targeting folate receptor alpha for ovarian and endometrial cancer. Cancer Res (2018) 78 (13_Supplement): 1782.

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

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