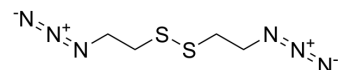


## Azidoethyl-SS-ethylazide

|                    |   |                |
|--------------------|---|----------------|
| Cat. No.:          | HY-140105   |                |
| CAS No.:           | 352305-38-5   |                |
| Molecular Formula: | C <sub>4</sub> H <sub>8</sub> N <sub>6</sub> S <sub>2</sub> |                |
| Molecular Weight:  | 204.28  |                |
| Target:            | ADC Linker  |                |
| Pathway:           | Antibody-drug Conjugate/ADC Related                         |                |
| Storage:           | Pure form   | -20°C 3 years  |
|                    | In solvent  | -80°C 6 months |
|                    |   | -20°C 1 month  |



### BIOLOGICAL ACTIVITY

|                           |  |                  |
|---------------------------|--|------------------|
| Description               | Azidoethyl-SS-ethylazide is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> . Azidoethyl-SS-ethylazide is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups. |                  |
| IC <sub>50</sub> & Target | Disulfide Cleavable Linker   | Cleavable Linker |
| In Vitro                  | ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.   |                  |

### REFERENCES

[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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

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