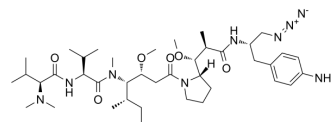


Duostatin 5

| | |
|---------------------------|--|
| Cat. No.: | HY-145149 |
| CAS No.: | 2124210-34-8 |
| Molecular Formula: | C ₄₀ H ₆₉ N ₉ O ₆ |
| Molecular Weight: | 772.03 |
| Target: | ADC Cytotoxin |
| Pathway: | Antibody-drug Conjugate/ADC Related |
| Storage: | -20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen) |



SOLVENT & SOLUBILITY

| | | | | | |
|---|---|--------------------------|-----------|-----------|------------|
| In Vitro | DMSO : 125 mg/mL (161.91 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass | | |
| | Preparing Stock Solutions | | 1 mg | 5 mg | 10 mg |
| | | 1 mM | 1.2953 mL | 6.4764 mL | 12.9529 mL |
| | | 5 mM | 0.2591 mL | 1.2953 mL | 2.5906 mL |
| | 10 mM | 0.1295 mL | 0.6476 mL | 1.2953 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | <ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (2.69 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.69 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | Duostatin 5 is a cytotoxin designed based on dolastatin, can meet the requirement of serving as an effective cytotoxin in ADC, but has the advantages of fewer synthesis steps, easy operation, less difficulty in quality control and more stable chemical synthesis process ^[1] . |
|--------------------|--|

REFERENCES

[1]. Toxin for antibody drug conjugate and preparation method thereof. CN107857798B.

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

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