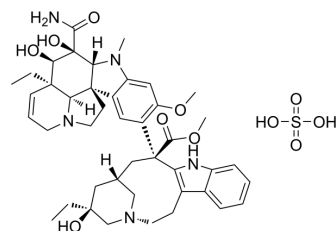


## Vindesine sulfate

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-129071  |
| CAS No.:           | 59917-39-4   |
| Molecular Formula: | C <sub>43</sub> H <sub>57</sub> N <sub>5</sub> O <sub>11</sub> S   |
| Molecular Weight:  | 852  |
| Target:            | Microtubule/Tubulin  |
| Pathway:           | Cell Cycle/DNA Damage; Cytoskeleton  |
| Storage:           | 4°C, sealed storage, away from moisture<br>* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



### SOLVENT & SOLUBILITY

|   |   |  |              |             |
|---|---|--|--------------|-------------|
| In Vitro  | DMSO : 250 mg/mL (293.43 mM; Need ultrasonic) |  |              |             |
|   | Preparing Stock Solutions                     | <b>Solvent</b><br><b>Concentration</b> | <b>Mass</b>  |             |
|   |   |  | <b>1 mg</b>  | <b>5 mg</b> |
|   |   |  | <b>10 mg</b> |             |
|   |   | <b>1 mM</b>                            | 1.1737 mL    | 5.8685 mL   |
|   |   | <b>5 mM</b>                            | 0.2347 mL    | 1.1737 mL   |
|   |   | <b>10 mM</b>                           | 0.1174 mL    | 0.5869 mL   |
|   |   |  |              | 1.1737 mL   |
| Please refer to the solubility information to select the appropriate solvent. |   |  |              |             |

### BIOLOGICAL ACTIVITY

|             |   |
|-------------|---|
| Description | Vindesine sulfate is a potent tubulin inhibitor with an K <sub>i</sub> of 0.110 μM. Vindesine sulfate shows anti-proliferation effect in vitro. Vindesine sulfate shows antitumor effect in vivo <sup>[1]</sup> . |
| In Vitro    | Vindesine sulfate inhibits L-cells growth and shows about 25% inhibition at 40 nM <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only.             |

### REFERENCES

[1]. Jordan MA, et al. Comparison of the effects of vinblastine, vincristine, vindesine, and vinepidine on microtubule dynamics and cell proliferation in vitro. Cancer Res. 1985 Jun;45(6):2741-7.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA