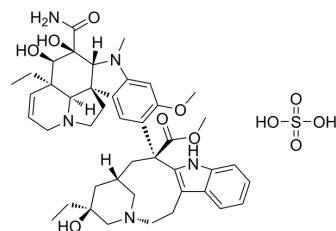


Vindesine sulfate

| | |
|---------------------------|--|
| Cat. No.: | HY-129071 |
| CAS No.: | 59917-39-4 |
| Molecular Formula: | C ₄₃ H ₅₇ N ₅ O ₁₁ S |
| Molecular Weight: | 852 |
| Target: | Microtubule/Tubulin |
| Pathway: | Cell Cycle/DNA Damage; Cytoskeleton |
| Storage: | 4°C, sealed storage, away from moisture * 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)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|-----------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 1.1737 mL | 5.8685 mL | 11.7371 mL |
| | 5 mM | 0.2347 mL | 1.1737 mL | 2.3474 mL |
| | 10 mM | 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_i of 0.110 μM. Vindesine sulfate shows anti-proliferation effect in vitro. Vindesine sulfate shows antitumor effect in vivo^[1].

In Vitro

Vindesine sulfate inhibits L-cells growth and shows about 25% inhibition at 40 nM^[1].
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

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