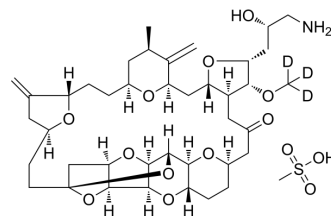


Eribulin-d₃ mesylate

Cat. No.: HY-13442AS
Molecular Formula: C₄₁H₆₀D₃NO₁₄S
Molecular Weight: 829.02
Target: Microtubule/Tubulin; Apoptosis
Pathway: Cell Cycle/DNA Damage; Cytoskeleton; Apoptosis
Storage: -20°C, stored under nitrogen
 * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	Eribulin-d ₃ (mesylate) is a deuterium labeled Eribulin mesylate. Eribulin mesylate is a microtubule targeting agent that is used for the research of cancer[1][2].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et, al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
 [2]. Watanabe K, et, al. Low-dose eribulin reduces lung metastasis of osteosarcoma in vitro and in vivo. *Oncotarget*. 2019 Jan 4;10(2):161-174.

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

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