
Product Data Sheet

Product Name: Eribulin-d3 mesylate

Cat. No.: GC63845

Chemical Properties

Cas. No.

Formula C41H60D3NO14S

M.Wt

829.02

Solubility

Storage

Store at -20°C

General tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Eribulin-d3 mesylate is a deuterium labeled Eribulin mesylate. Eribulin mesylate is a microtubule targeting agent that is used for the research of cancer[1][2].

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].

[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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