

Product Data Sheet

Product Name: Zilovetamab vedotin

Cat. No.: GC74620

Chemical Properties

Cas. No.

Formula

M.Wt

Solubility

Storage

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

Zilovetamab vedotin

Background

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

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Zilovetamab vedotin (VLS-101) is a novel antibody-drug conjugate comprising the humanized monoclonal antibody zilovetamab and the anti-microtubule cytotoxin monomethyl vedotin. Zilovetamab vedotin binding to tumor cell ROR1 results in rapid internalization, trafficking to lysosomes, antibody-agent conjugate cleavage, and monomethyl vedotin release. Zilovetamab vedotin induces apoptosis. Zilovetamab vedotin can be used in research of cancer.

Zilovetamab vedotin (VLS-101; 0-100 µg/mL) induces cytotoxicity in ROR1+ primary MCL cells in a dose-dependent manner[1]. Zilovetamab vedotin (24h; ibrutinib-sensitive (JeKo-1) and resistant (JeKo BTK KD_2) cell lines) induces cell apoptosis and cell cycle arrest at G2/M[1].

Zilovetamab vedotin (VLS-101; 2.5 mg/kg; i.v.; weekly, for 3 weeks) targets ROR1-expressing PDX models with dual resistance to ibrutinib and CAR T. A PDX model. Zilovetamab vedotin inhibits tumor growth[1].

References:

[1]. Jiang VC, et, al. The antibody drug conjugate VLS-101 targeting ROR1 is effective in CAR T-resistant mantle cell lymphoma. J Hematol Oncol. 2021 Aug 28;14(1):132.

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