

Tisotumab vedotin

Chemical Properties

CAS No. : 1418731-10-8

Formula:

Molecular Weight:

Storage: Store at low temperature
Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Tisotumab vedotin is an antibody-drug conjugate (ADC) targeting tissue factor (TF), consisting of the fully human monoclonal antibody (TF-011) conjugated with monomethyl auristatin E (MMAE). It exhibits significant antitumor activity and is suitable for research on the treatment of advanced or metastatic solid tumors.
Targets(IC50)	Antibody-Drug Conjugates (ADCs)
In vitro	Tisotumab vedotin induces immunogenic cell death in tumor cells expressing tissue factor (TF) and promotes the release of endoplasmic reticulum stress markers, ATP, and high-mobility group box 1 (HMGB1) [1]. Tisotumab vedotin exerts antitumor activity through MMAE-mediated cytotoxicity, Fc-mediated antibody-dependent cellular phagocytosis (ADCP), and Fab-mediated inhibition of protease-activated receptor 2 (PAR-2) signaling [2].
In vivo	Tisotumab vedotin can induce immunogenic cell death of tumor cells, and promote the activation and recruitment of F4/80+ and CD11c+ innate immune cells to the xenograft tumor site [1]. Tisotumab vedotin (2 mg/kg, once daily for 25 consecutive days) exhibited antitumor activity in a mouse model of pancreatic cancer [4].

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