Data Sheet (Cat.No.T76986)

TargetMol

Tarlatamab

Chemical Properties

CAS No. : 2307488-83-9

Formula:

Molecular Weight:

Storage: Store at low temperature
Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Tarlatamab (AMG-757) is a bispecific T cell engager (BiTE) antibody targeting DLL3 and CD3, with human DLL3 and CD3 KD = 0.64 nM/14.9 nM, for use in immuno-oncology therapy of small cell lung cancer (SCLC).
Targets(IC50)	Gamma-secretase,Integrin
In vitro	Tarlatamab (0-10 nM; 48 h) exhibits specific cytotoxicity toward DLL3-expressing SCLC cell lines [1]. Tarlatamab (0-10 nM; 4-72 h) increases granzyme B levels and cytotoxicity in a time-dependent manner, with maximal signaling observed at 48 h. T-cell activation or inflammatory markers CD69, CD71, PD-1, and PD-L1 (37-39) were upregulated[1].
In vivo	Tarlatamab (3 mg/kg; intraperitoneal administration; once weekly; for three consecutive weeks) demonstrated tumor regression in a small cell lung cancer (SCLC) mouse model [1]. Tarlatamab (12 μg/kg; intraperitoneal administration; single dose) exhibited a mean half-life of 234 hours, mean clearance of 0.487 mL/hour/kg, and steady-state volume of distribution of 146 mL/kg in non-human primates (NHPs) [1].

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