

Acatamab

Chemical Properties

CAS No. : 2314491-93-3

Formula:

Molecular Weight: 105.87 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Acatamab (AMG-160) is a Half-Life Extended (HLE) Bispecific T-cell Engager (BiTE) with domains that bind to PSMA and CD3. Acatamab (AMG-160) exhibits Kd values of 14.8 nM for hPSMA and 22.4 nM for hCD3. Acatamab (AMG-160) is utilized in cancer research.
Targets(IC50)	PSMA,Integrin
In vitro	Acatamab (AMG-160; 0-10000 pM; 48 h) induced activation in T cells and increased the expression of CD25, CD69, 4-1BB and PD-1. Under the same conditions, the effect of Acatamab on T-cell leads to the release of dose-dependent cytokines, including IL-2, IL-4, IL-6, IL-10, IFN γ - γ and TNF α - α . In addition, Acatamab (0-10000 pM; 48 h) Under the condition of co-culture with PBMC, PSMA positive prostate cancer cell line can be effectively lysed, and its EC 50 value is in the range of 6-42 pM.
In vivo	Administered intravenously on days 16, 23, and 31 at dosages of 0.02, 0.2, and 2 mg/kg, Acatamab demonstrated antitumor properties by inhibiting the growth of CA prostate cancer xenograft tumors in NOD/SCID mice, specifically the 22Rv-1 CRPC model.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0094 mL	0.0472 mL	0.0945 mL
5 mM	0.0019 mL	0.0094 mL	0.0189 mL
10 mM	0.0009 mL	0.0047 mL	0.0094 mL
50 mM	0.0002 mL	0.0009 mL	0.0019 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481