

Talquetamab

Chemical Properties

CAS No. : 2226212-40-2

Formula:

Molecular Weight: 144.59 kDa

Storage: Store at low temperature
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

Talquetamab

Biological Description

Description	Talquetamab (JNJ-64407564) is a GPRC5D bispecific antibody for multiple myeloma (MM) that induces T-cell-mediated killing of GPRC5-expressing MM cells through T-cell recruitment and activation, demonstrating antitumor activity.
Targets(IC50)	Dopamine Receptor,Integrin
In vitro	Talquetamab, at concentrations ranging from 0.00128 to 4.0 µg/mL for 48 hours, effectively induces lysis of multiple myeloma cells. This induction is accompanied by a significant dose-dependent increase in the proportion of activated CD4+ and CD8+ T cells, as well as elevated levels of granule enzyme B and inflammatory cytokines such as IL-6, IL-8, and TNF-α [2].
In vivo	Talquetamab (JNJ-64407564), administered subcutaneously or intravenously at doses ranging from 0.1 to 50 µg, exhibits significant anti-tumor activity in H929 and MM mouse models [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0346 mL	0.0692 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0035 mL	0.0069 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 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

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