

ABP-102

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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

Actual storage temperature shall be subject to the COA.

Biological Description

Description	ABP-102 (CT P72) is a tetravalent IgG1-[L]-scFv bispecific t-cell adduct (BiTE) that acts as a CD3 modulator and selective HER2 modulator for the selective targeting of HER2 overexpressing tumors. ABP-102 showed cytotoxicity in HER2-overexpressing models of breast and gastric cancers, while significantly decreasing activity against HER2 low level cells, twice as effective as rununmotamab.
Targets(IC50)	HER,Integrin
In vitro	ABP-102/CT-P72 achieves potent cytotoxicity in HER2-overexpressing breast and gastric cancer models while significantly reducing activity against HER2-low cells, addressing a key limitation of prior HER2-targeted T-cell engagers[1]. ABP-102/CT-P72 achieved up to twice the tumor suppression compared to a biosimilar of runimotamab (a benchmark HER2 x CD3 bispecific antibody)[1].By engineering functionally monovalent CD3 binding, ABP-102/CT-P72 significantly reduced cytokine release in HER2-low models while maintaining strong cytotoxicity in HER2-high models[1].
In vivo	Dose escalation studies in cynomolgus monkeys showed that ABP-102/CT-P72 was well tolerated even at doses over 180 times higher than the maximum tolerated dose of the parental antibody [1].

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