

U3-1565

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	U3-1565 (Anti-HB-EGF antibody) is an antibody targeting HB-EGF with potential anti-tumor activity, used in the study of advanced solid tumors.
Targets(IC50)	EGFR
In vitro	Inhibition of basal pEGFR levels by U3-1565 was demonstrated in various cancer cell lines. U3-1565 inhibits EGFR activation in vitro and reduces angiogenesis in vivo. U3-1565 showed dose-dependent inhibition of HB-EGF-stimulated pHER4 and pERK activation in vitro. [1]
In vivo	In HB-EGF overexpressed ovarian cancer xenotransplantation model, U3-1565 as a single drug showed tumor cell growth inhibition in vivo. Xenograft model studies have shown that the antitumor activity of U3-1565 is based on inhibition of EGFR activation and prevention of carcinogenic MAPK signaling. [1]

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