

Losatuxizumab

Chemical Properties

CAS No. : 1801544-27-3

Formula:

Molecular Weight: 144.85 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Losatuxizumab (ABT-806) is an anti-EGFR monoclonal antibody that is a naked antibody to the ADC compound Losatuxizumab vedotin, with potential anti-tumor activity for the study of advanced malignant solid tumors.
Targets(IC50)	EGFR
In vitro	Losatuxizumab (ABT-806) binds EGFR with EC50 values of 0.96 nM for EGFR wild type, 0.09 nM for EGFR(C271A,C283A), 0.12 nM for EGFR(vIII), and 0.66 nM for EGFR(1-501).[1] Losatuxizumab inhibited EGF-induced EGFR phosphorylation with an IC50 of 1.2 nM in the NR6 huEGFR(C271A,C283A) cell line.[2]
In vivo	Losatuxizumab exhibits antitumor activity against multiple wild-type EGFR-expressing squamous cell carcinoma xenograft models. [1] Losatuxizumab (40 mg/kg, intraperitoneal) significantly delayed the growth of U87MGde2-7 tumors in mice. [1] Losatuxizumab (10 and 40 mg/kg, intraperitoneal) prolonged survival in a patient-derived xenograft glioblastoma (PDX GBM) model (SN0207 tumors) while decreasing pEGFR levels in tumor tissue. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0345 mL	0.069 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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