

## Product Data Sheet

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Product Name: Losatuxizumab

Cat. No.: GC74574

### Chemical Properties

Cas. No. 1801544-27-3

Formula M.Wt

Solubility Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

# Losatuxizumab

### Background

Losatuxizumab (ABT-806) is an anti-EGFR monoclonal antibody. Losatuxizumab binds to EGFR with EC50s of 0.96 nM for EGFR wild-type, 0.09 nM for EGFR C271A, C283A, 0.12 nM for EGFRvIII, 0.66 nM for EGFR1-501. Losatuxizumab can be used for research of EGFR-expressing cancers.

Losatuxizumab (0.001 nM-100 nM) binds to EGFRvIII-expressing cell line U87MGde2-

**Caution: Product has not been fully validated for medical applications. For research use only.**

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7[1]. Losatuxizumab inhibits EGF-mediated EGFR phosphorylation in a NR6 huEGFRC271A,C283A cell line, with an IC<sub>50</sub> of 1.2 nM[2].

Lorigerlimab has antitumor activities in various wild-type EGFR-expressing squamous cell carcinoma xenograft model[1]. Lorigerlimab (40 mg/kg, i.p.) significantly inhibits growth of U87MGde2-7 tumor in mice[1]. Lorigerlimab (10 and 40 mg/kg, i.p.) prolongs survival and reduces levels of pEGFR in PDX GBM model (SN0207 tumor)[1].

### References:

[1]. Reilly EB, et al. Characterization of ABT-806, a Humanized Tumor-Specific Anti-EGFR Monoclonal Antibody. *Mol Cancer Ther.* 2015 May;14(5):1141-51.

[2]. Phillips AC, et al. ABT-414, an Antibody-Drug Conjugate Targeting a Tumor-Selective EGFR Epitope. *Mol Cancer Ther.* 2016 Apr;15(4):661-9.

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