AACR-NCI-EORTC Virtual International Conference on

MOLECULAR TARGETS AND CANCER THERAPEUTICS





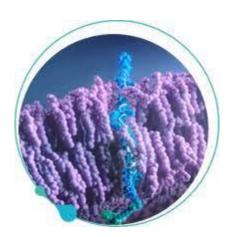


Development of alphalex™-auristatin low pH targeting conjugates for the treatment of solid tumors

Presenter: Sophia Gayle

October 7-10, 2021

Cybrexa Therapeutics, New Haven CT



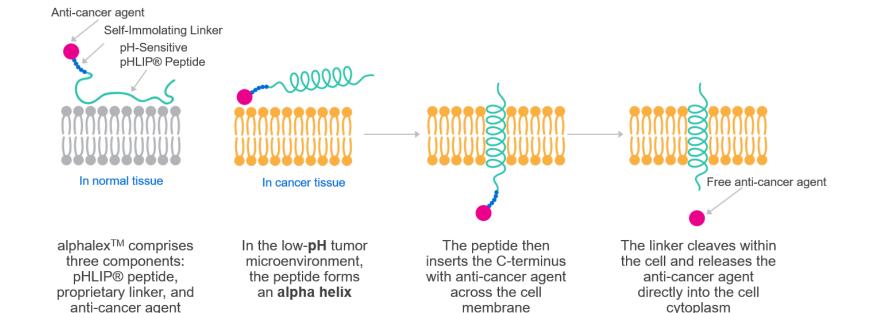


How We Do It: alphalex[™] Selectively Targets Tumor Cells









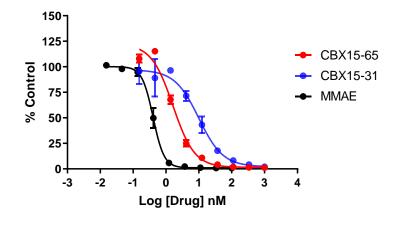
Platform has been validated by a number of institutions and investigators in academia and industry, with an extensive body of published preclinical data

CBX-15 Series (alphalex[™]-auristatin)









	IC50
CBX15-65	1.627
CBX15-31	9.988
MMAE	0.4042

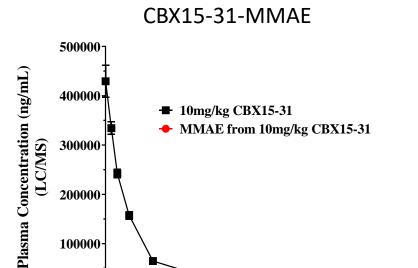
CBX-15 series is designed to safely deliver efficacious levels of auristatins to solid tumors in an antigen agnostic manner

CBX-15-MMAE Series is Plasma Stable in the Rat









12 16 20 24 28 32 36

40 44

100000

After 10 mg/kg bolus doses in the rat, CBX-15 conjugates display 0.001% stability (left) and XXXX% stability (right) after 52h in circulation

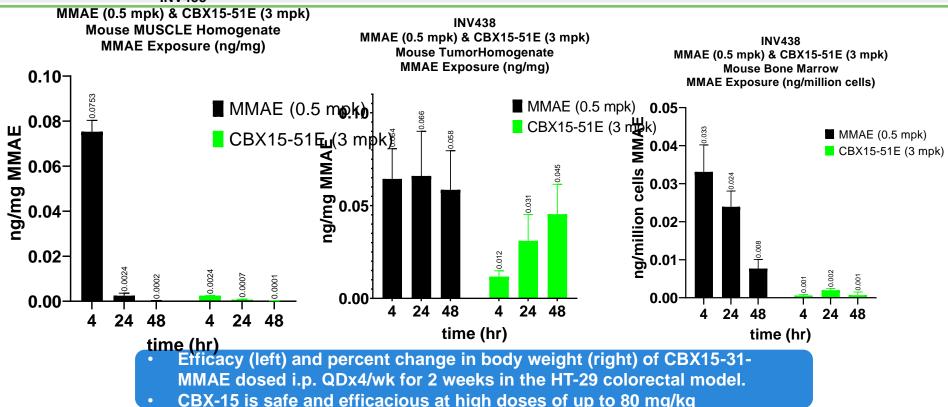
CBX-15 Delivers MMAE Warhead Selectively to Tumor







INV438

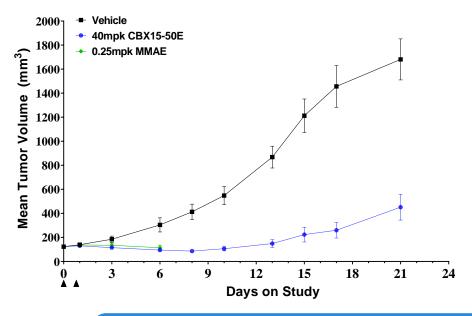


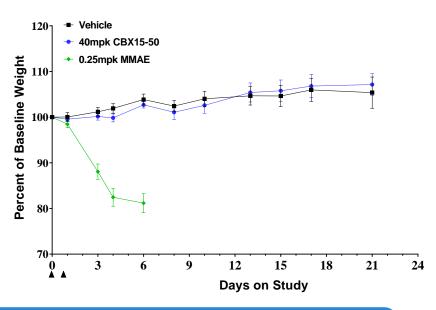
CBX-15-MMAE Induces Potent Anti-Tumor Activity in the HCT116 Colorectal Model











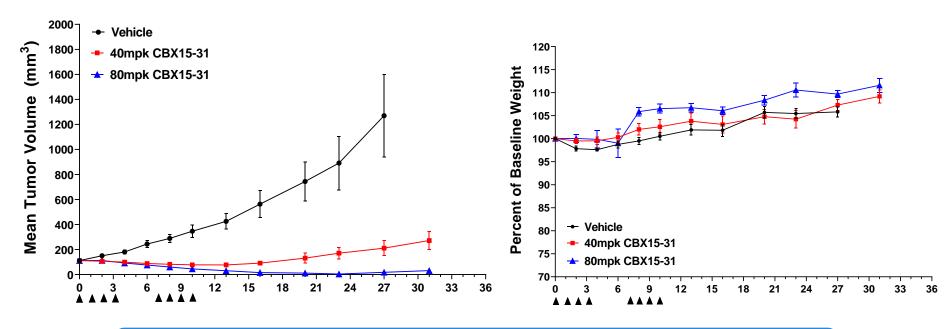
- Efficacy (left) and percent change in body weight (right) induced by CBX15-50-MMAE or MMAE unconjugated warhead dosed i.p. QDx2 in the HCT116 colorectal model.
- While unconjugated MMAE is extremely toxic, a 7 fold higher dose of MMAE is safely delivered by CBX-15.

CBX-15-MMAE Induces Potent Anti-Tumor Activity in the HT-29 Colorectal Model









- Efficacy (left) and percent change in body weight (right) induced by CBX15-31-MMAE dosed i.p. QDx4/wk for 2 weeks in the HT-29 colorectal model.
- CBX-15 is safe and efficacious at high doses of up to 80 mg/kg











