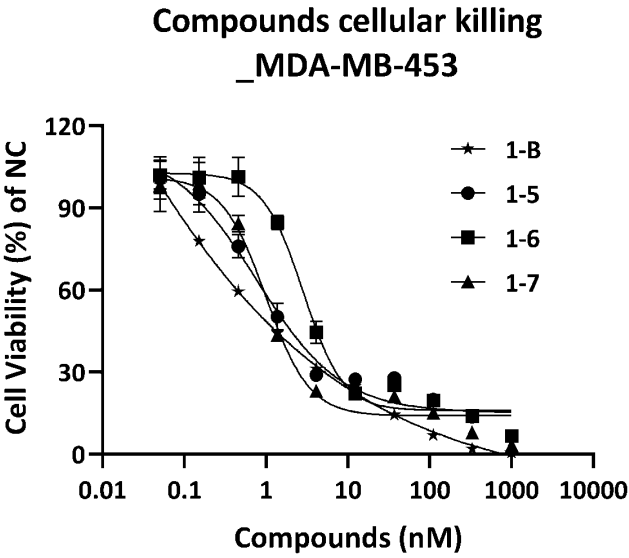
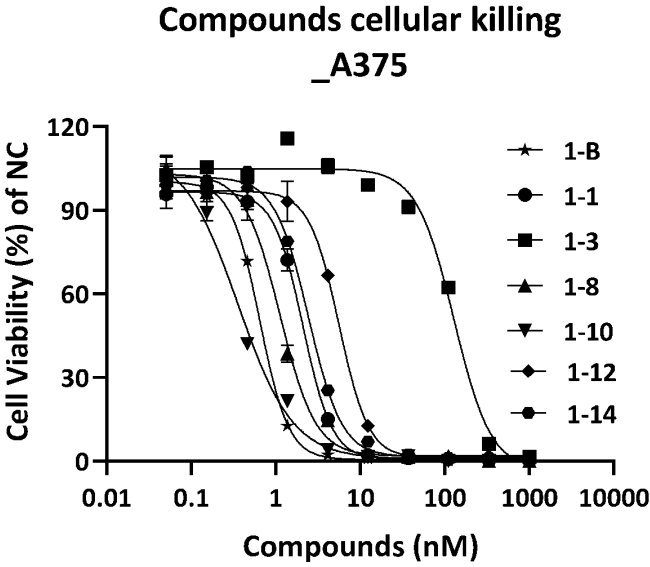
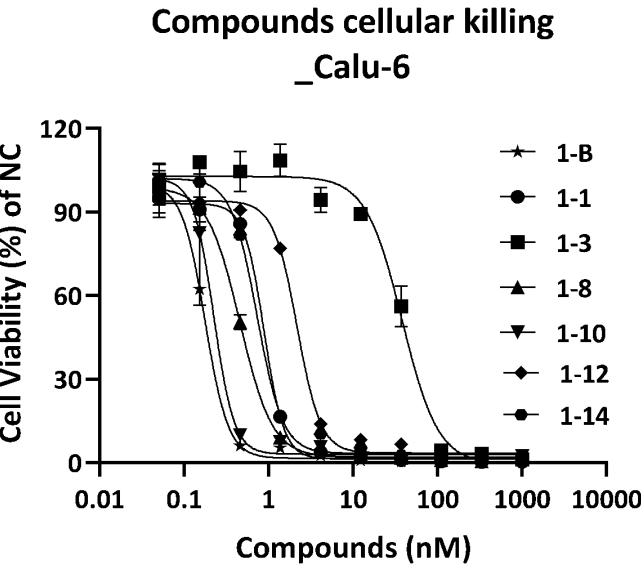




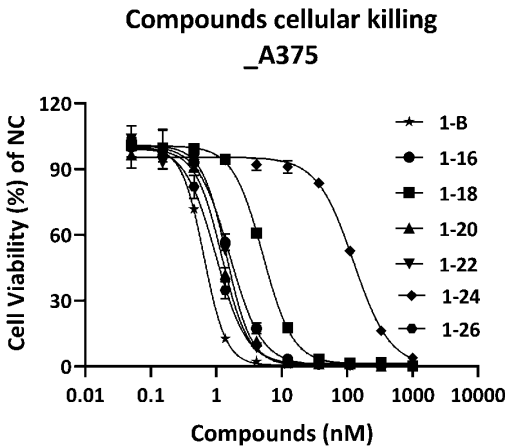
Payload cellular killing potency on MDA-MB-453 cell line
Figure 1



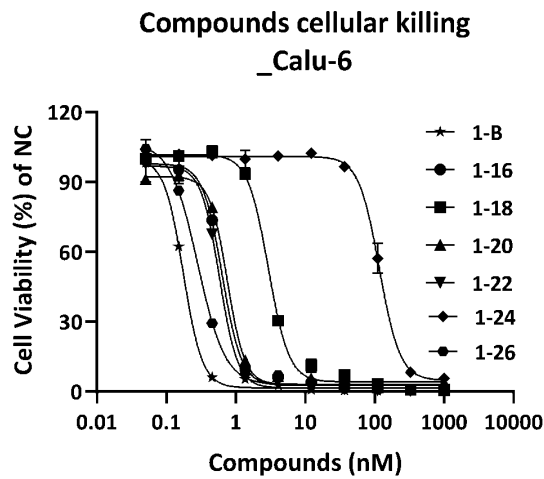
Payload cellular killing potency on A375 cell line
Figure 2



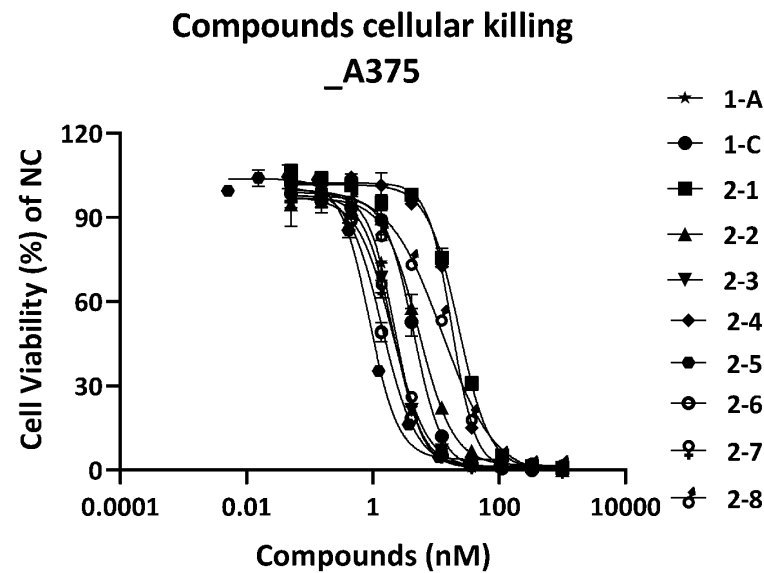
Payload cellular killing potency on Clau6 cell line
Figure 3



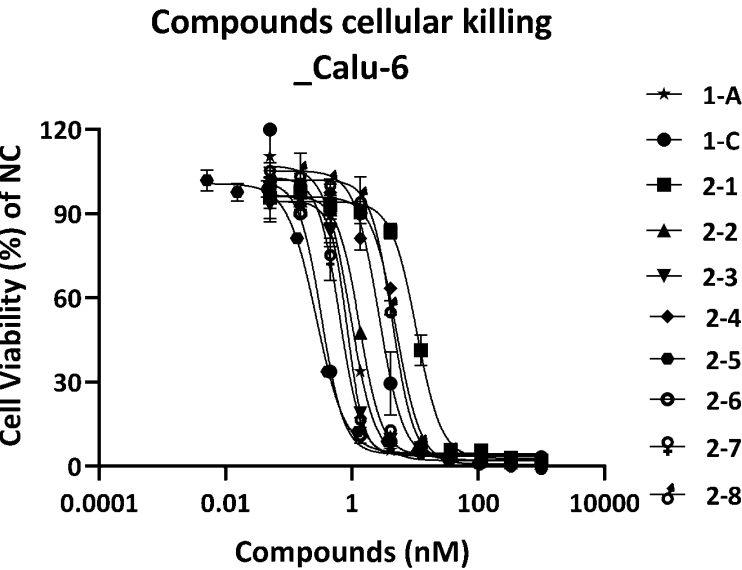
Payload cellular killing potency on A375 cell line
Figure 4



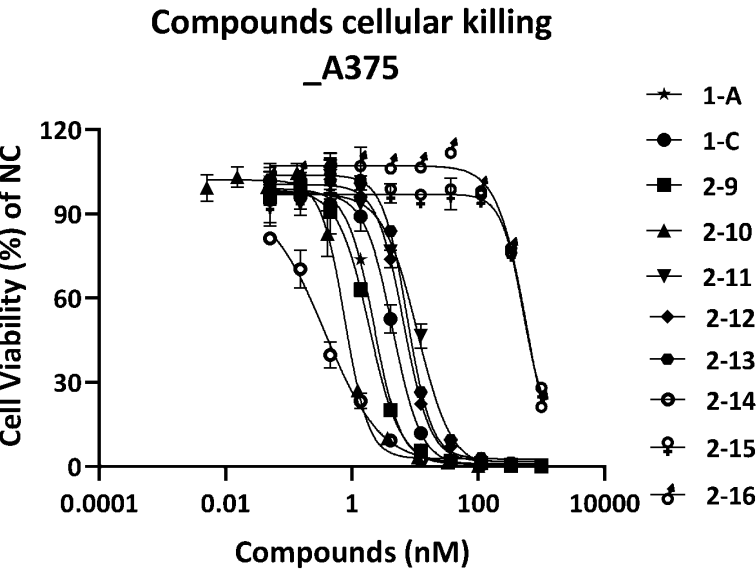
Payload cellular killing potency on Clau6 cell line
Figure 5



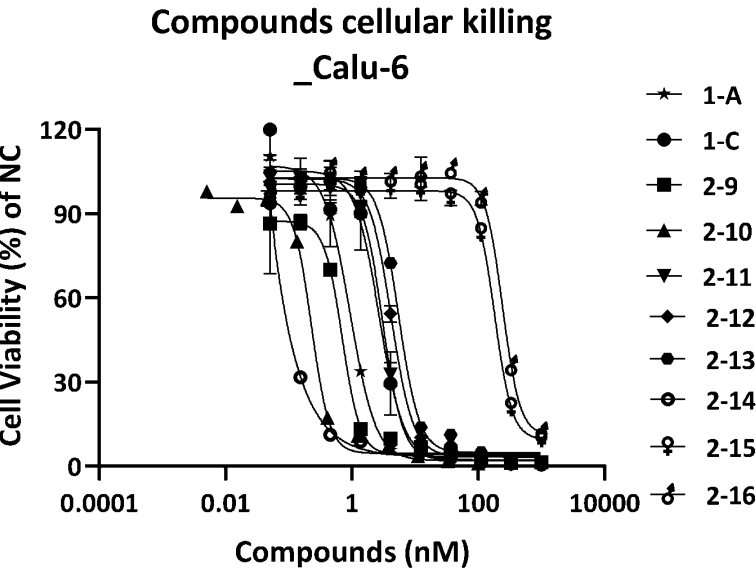
Payload cellular killing potency on A375 cell line
Figure 6



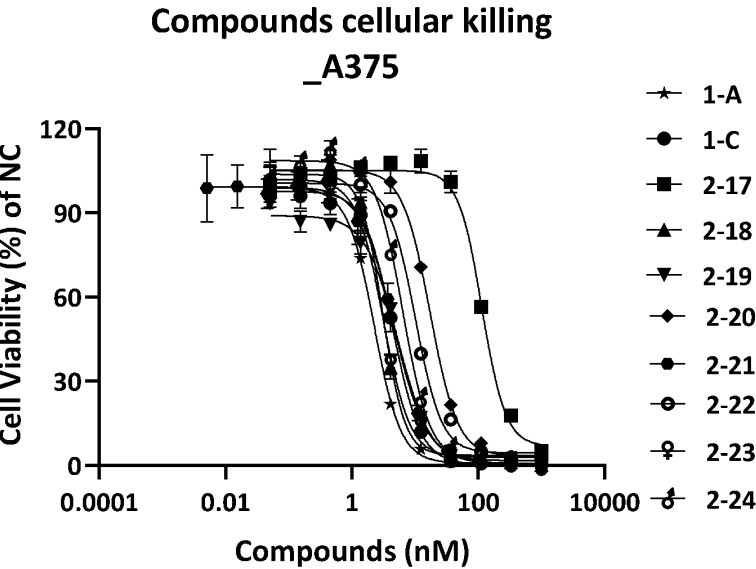
Payload cellular killing potency on Clau6 cell line
Figure 7



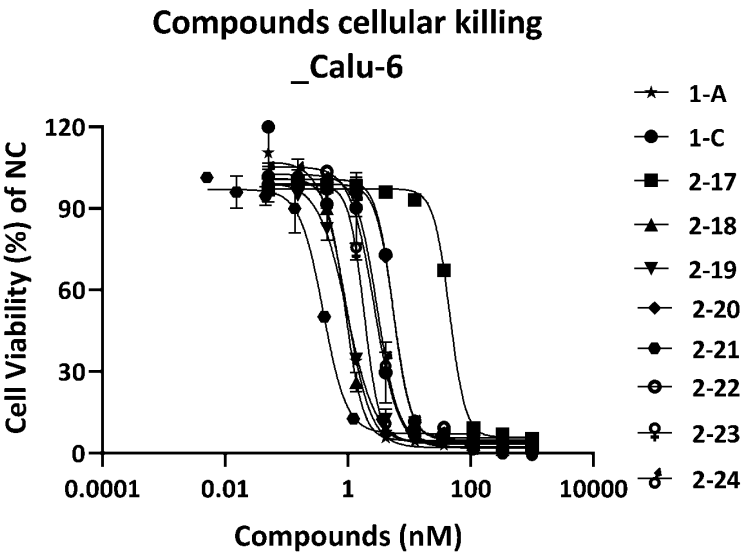
Payload cellular killing potency on A375 cell line
Figure 8



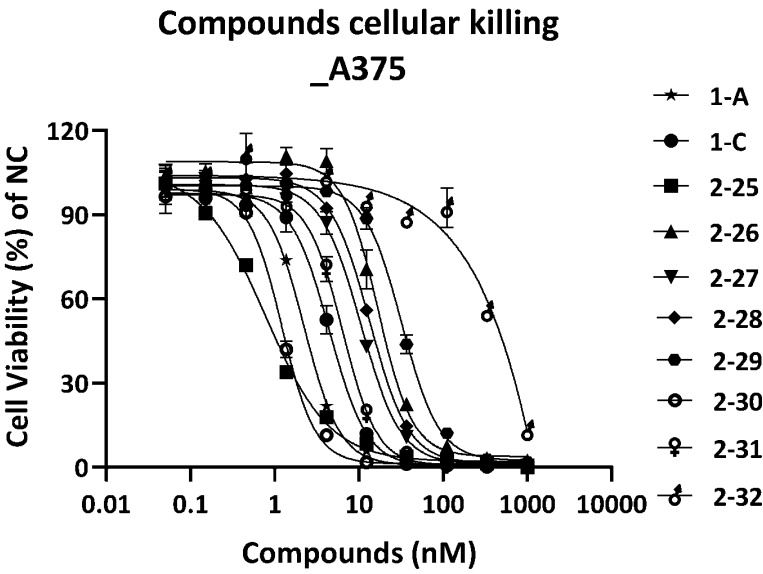
Payload cellular killing potency on Clau6 cell line
Figure 9



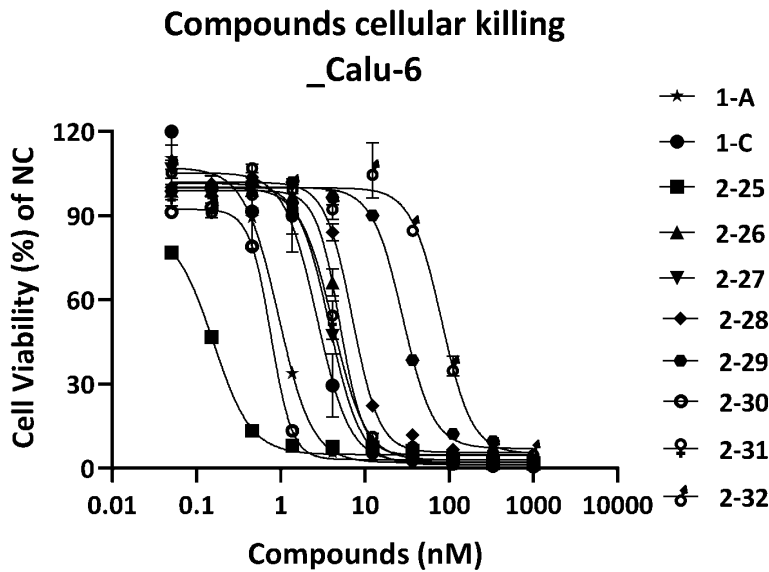
Payload cellular killing potency on A375 cell line
Figure 10



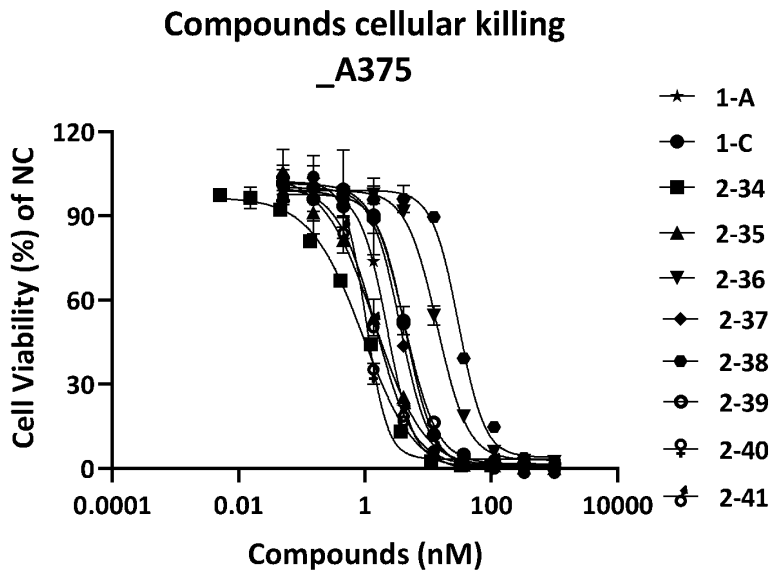
Payload cellular killing potency on Clau6 cell line
Figure 11



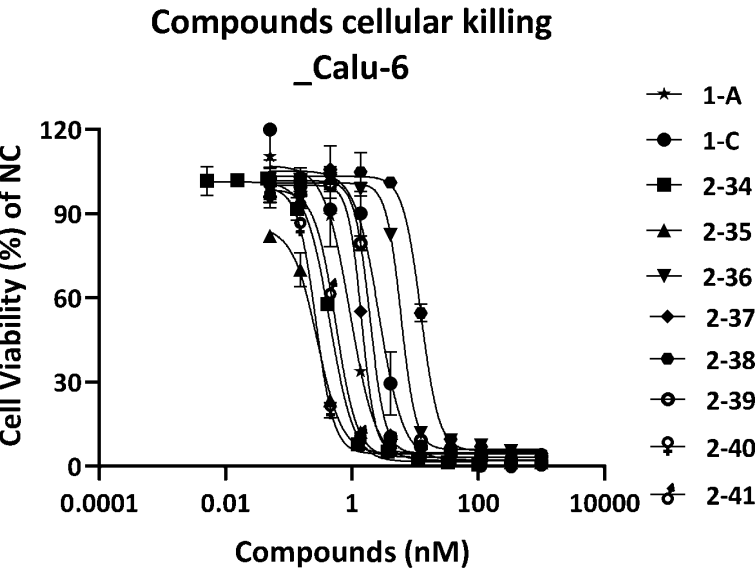
Payload cellular killing potency on A375 cell line
Figure 12



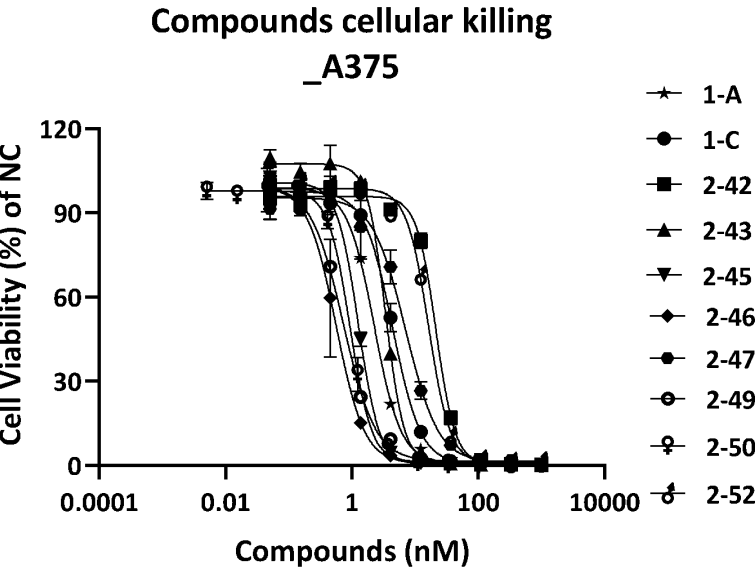
Payload cellular killing potency on Clau6 cell line
Figure 13



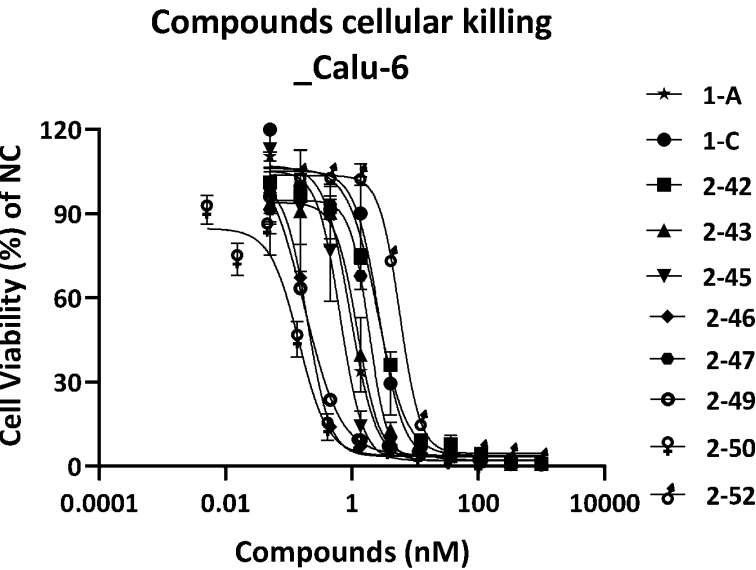
Payload cellular killing potency on A375 cell line
Figure 14



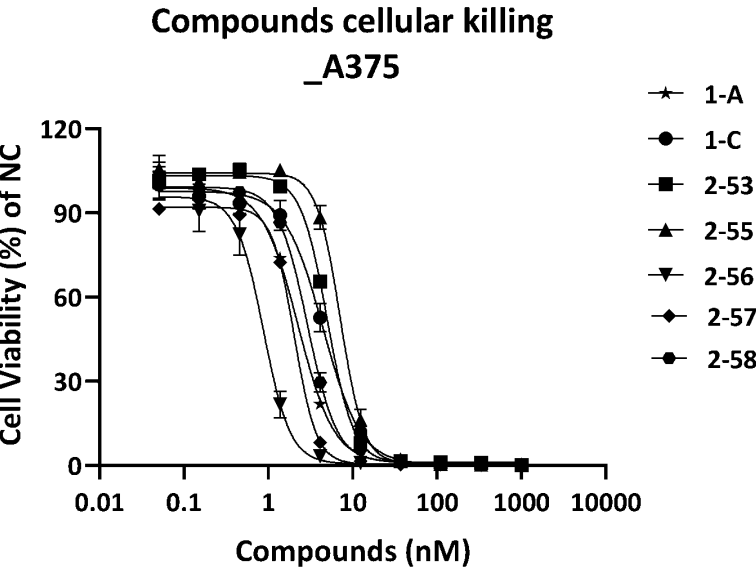
Payload cellular killing potency on Clau6 cell line
Figure 15



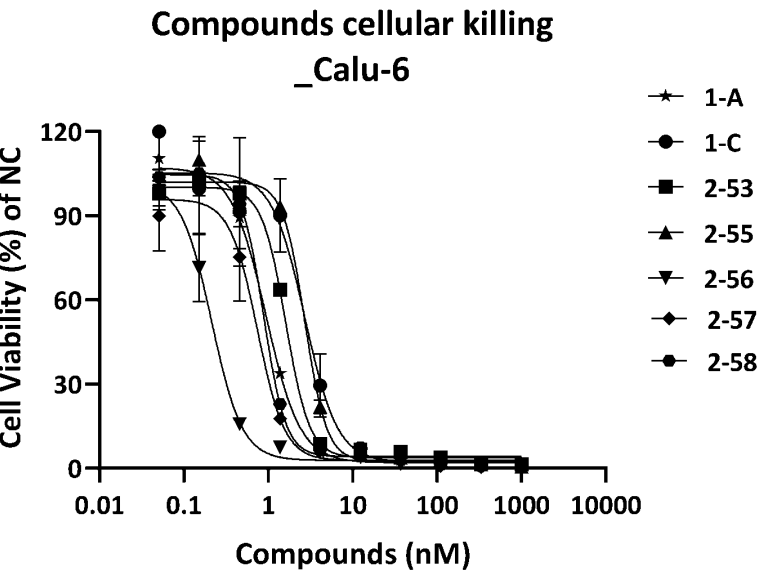
Payload cellular killing potency on A375 cell line
Figure 16



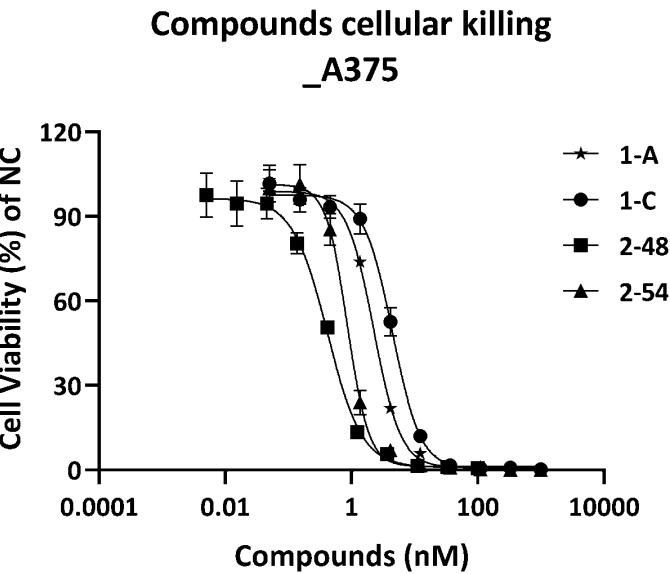
Payload cellular killing potency on Clau6 cell line
Figure 17



Payload cellular killing potency on A375 cell line
Figure 18



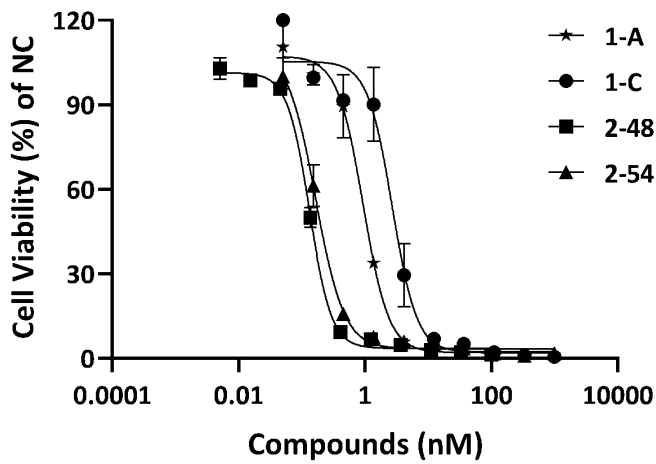
Payload cellular killing potency on Clau6 cell line
Figure 19



A375 cell line
Figure 20

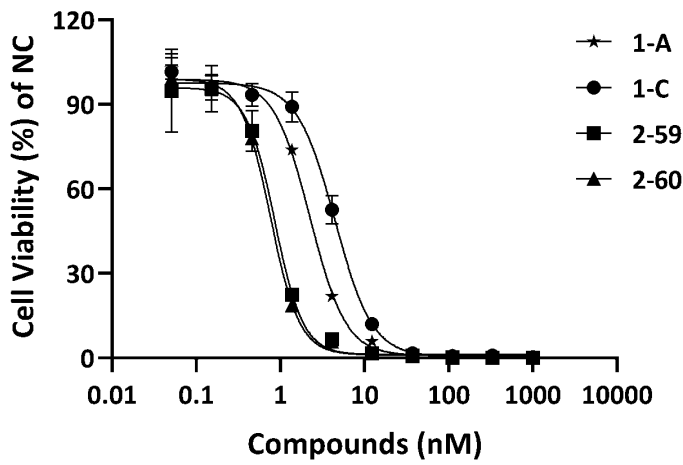
Payload cellular potency on

Compounds cellular killing
_Calu-6

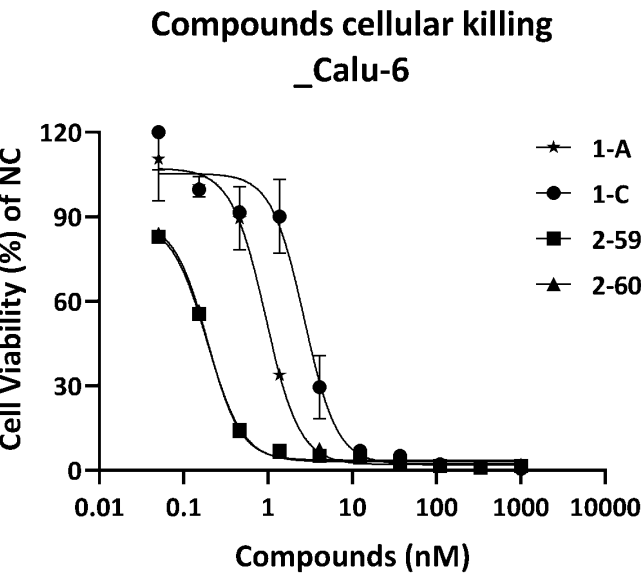


Payload cellular potency on Clau6 cell line
Figure 21

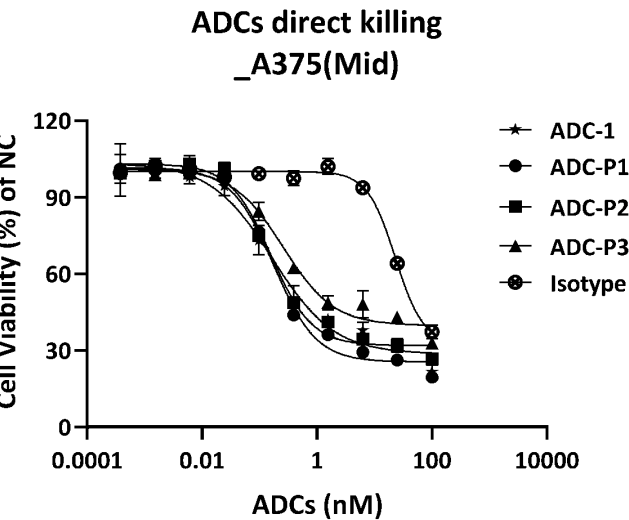
Compounds cellular killing
_A375



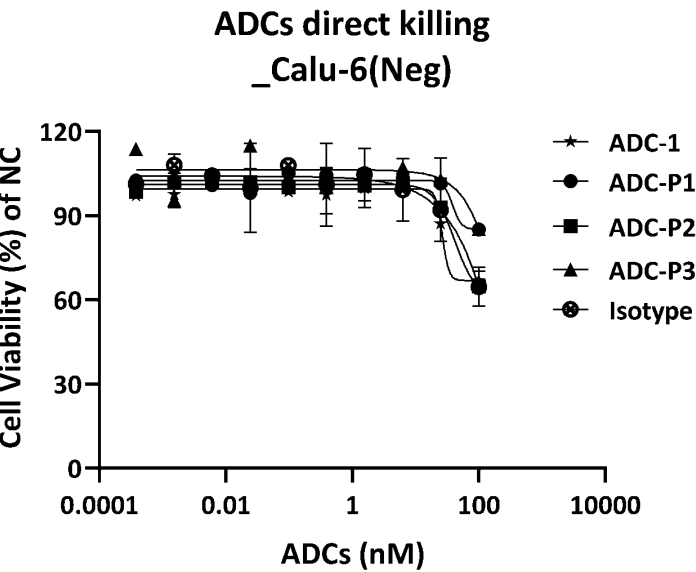
Payload cellular potency on A375 cell line
Figure 22



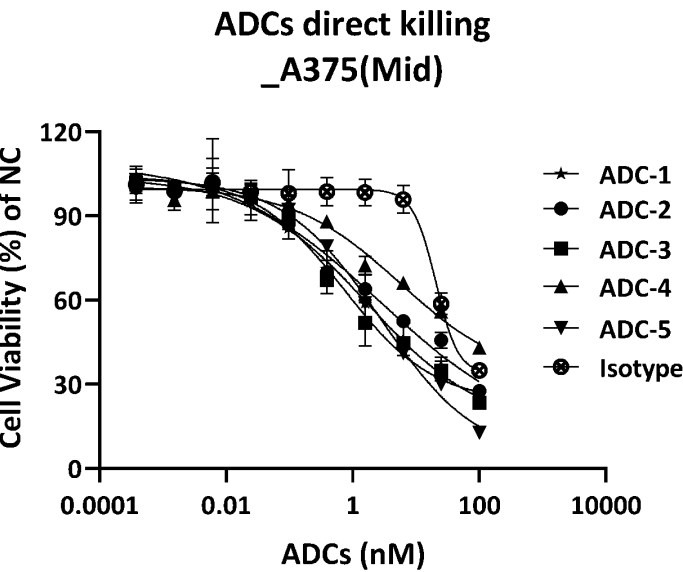
Payload cellular potency on Clau6 cell line
Figure 23



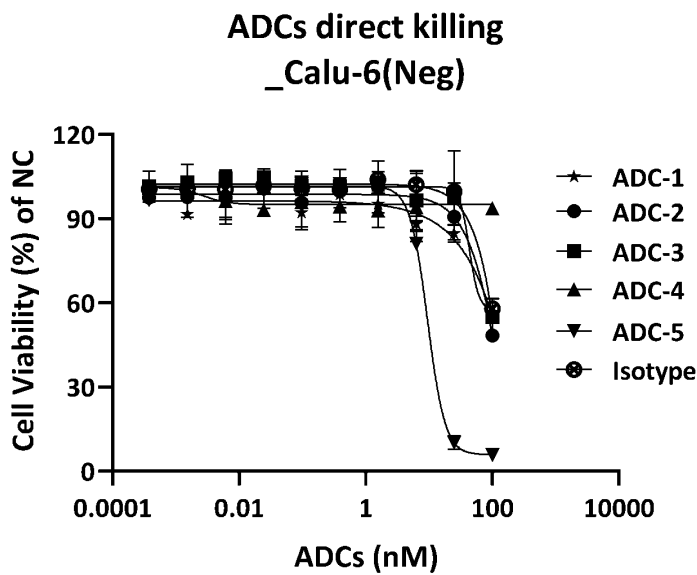
ADC cellular killing on A375 cell line
Figure 24



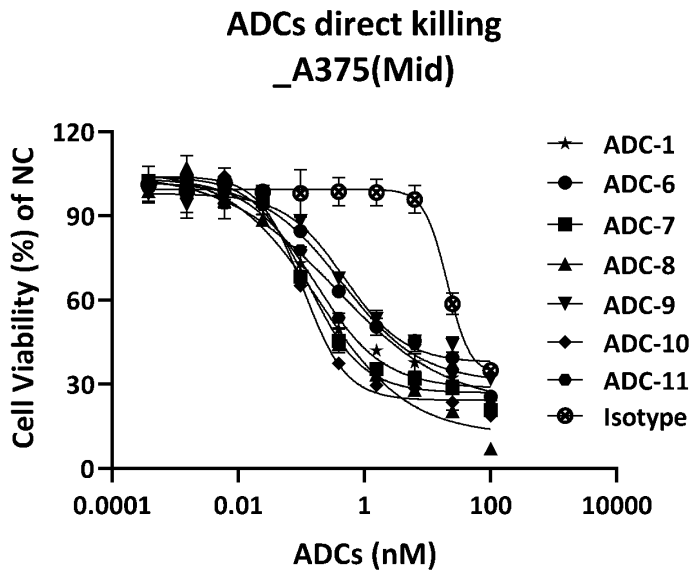
ADC cellular killing on Clau6 cell line
Figure 25



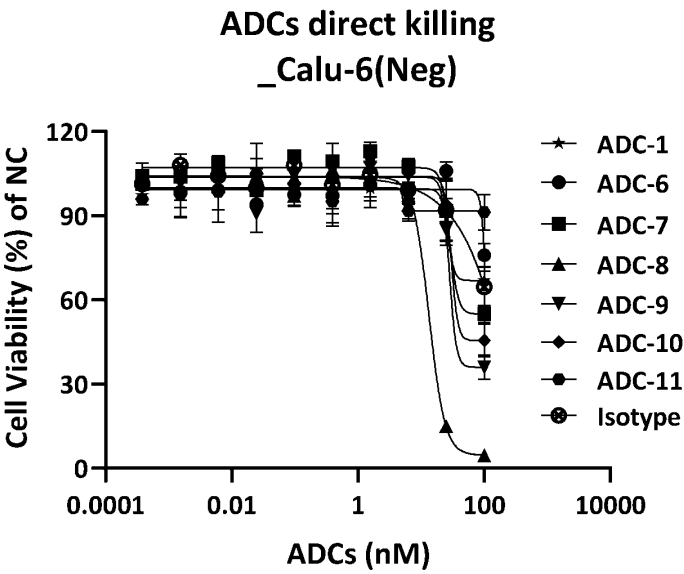
ADC cellular killing on A375 cell line
Figure 26



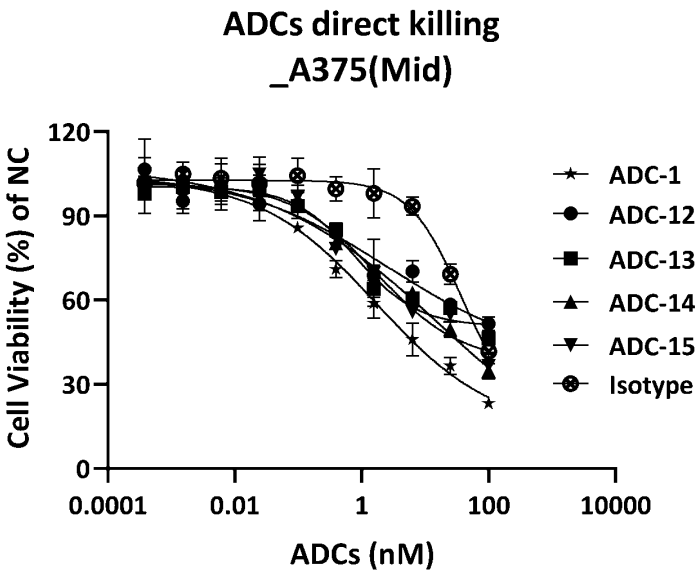
ADC cellular killing on Clau6 cell line
Figure 27



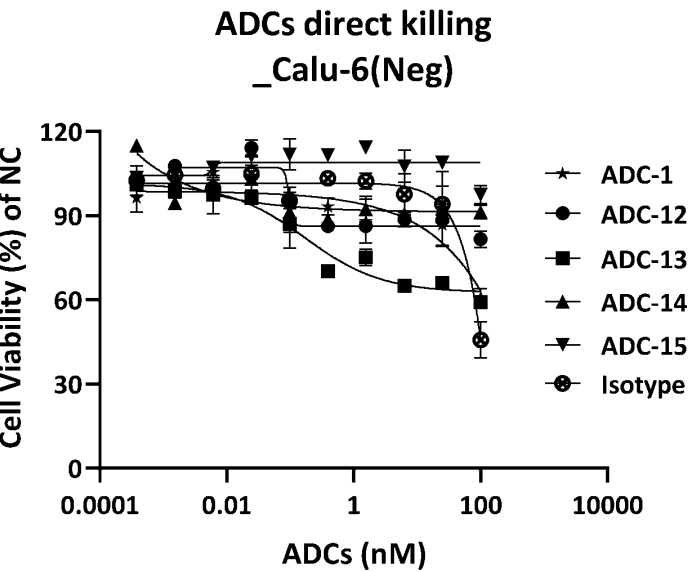
ADC cellular killing on A375 cell line
Figure 28



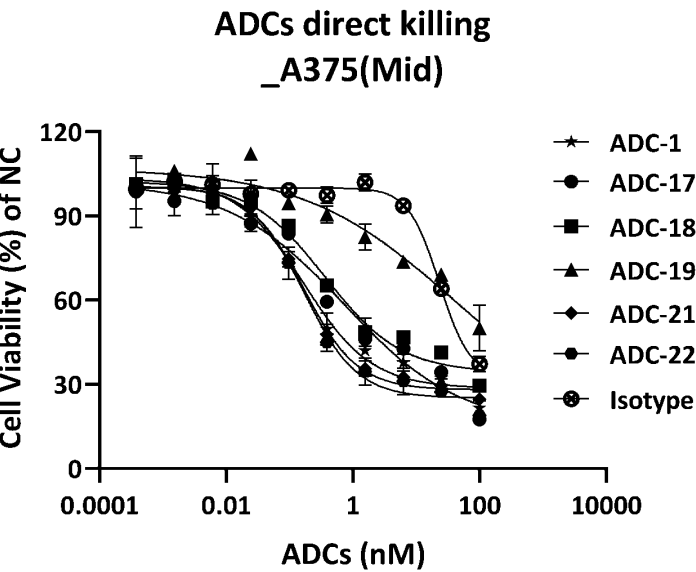
ADC cellular killing on Clau6 cell line
Figure 29



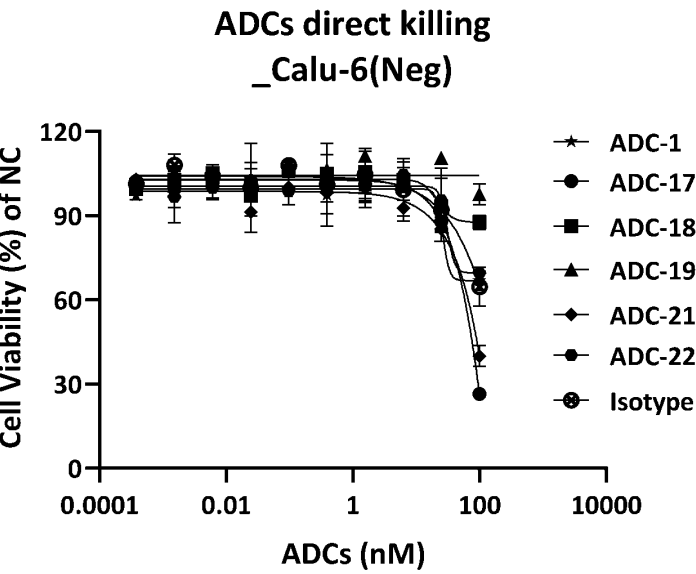
ADC cellular killing on A375 cell line
Figure 30



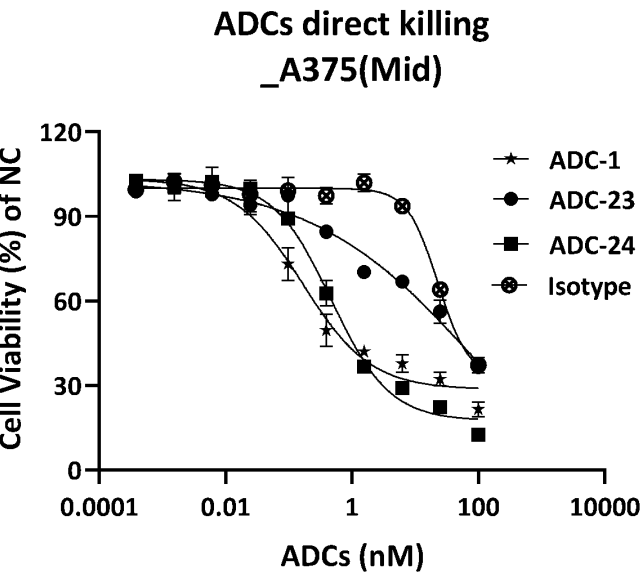
ADC cellular killing on Clau6 cell line
Figure 31



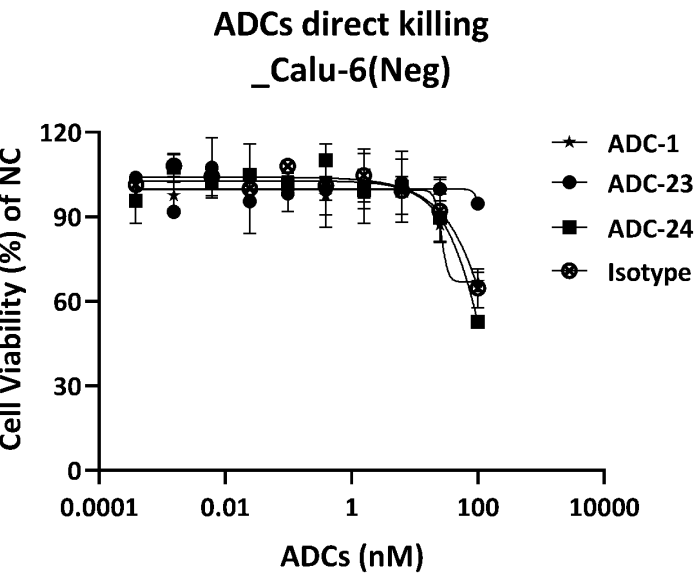
ADC cellular killing on A375 cell line
Figure 32



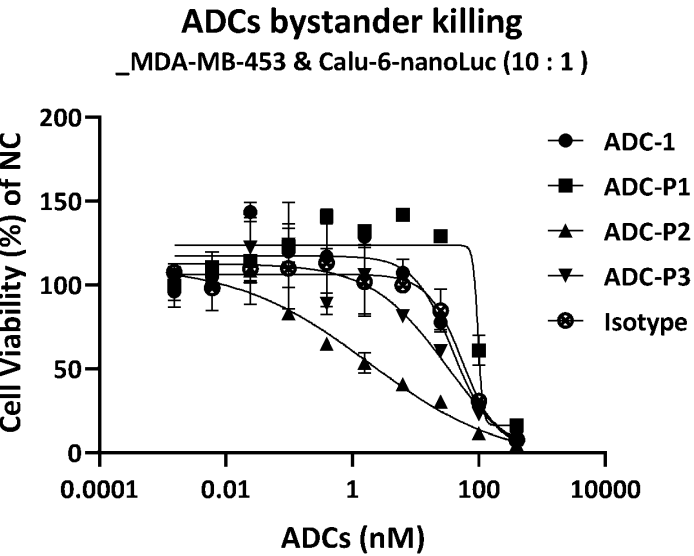
ADC cellular killing on Clau6 cell line
Figure 33



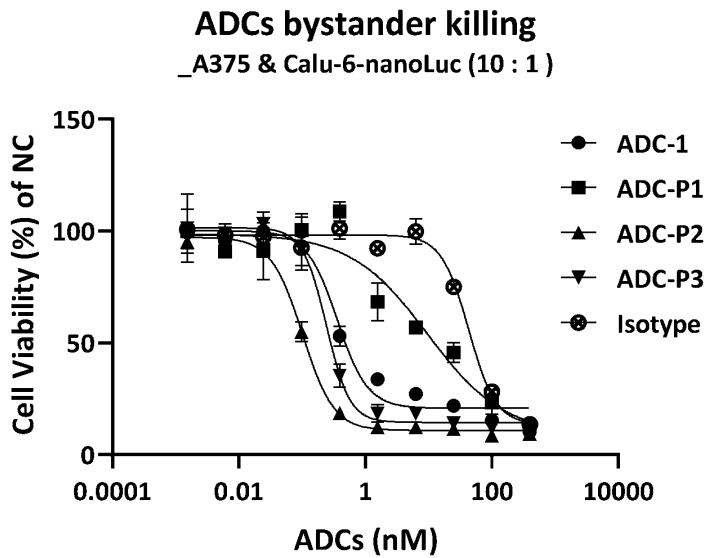
ADC cellular killing on A375 cell line
Figure 34



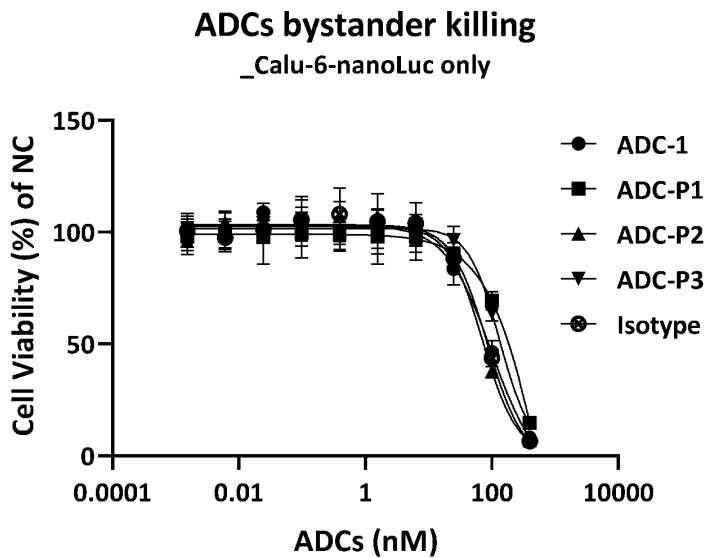
ADC cellular killing on Clau6 cell line
Figure 35



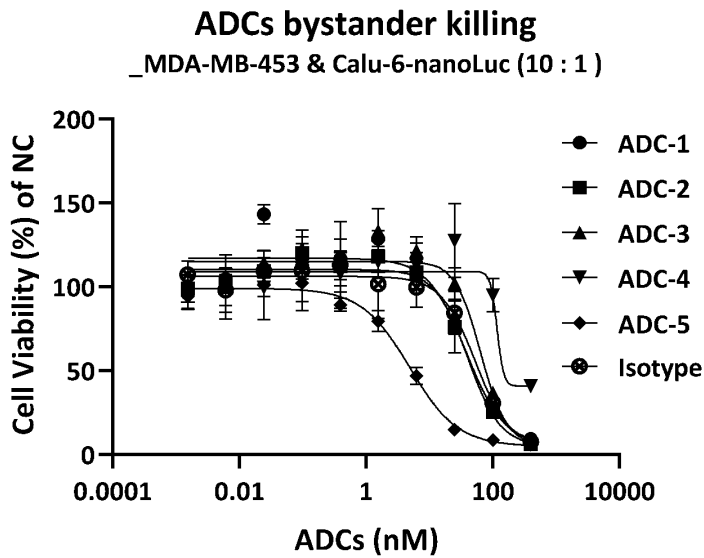
ADC bystander killing assay on MDA-MC-453/Clau6 system
Figure 36



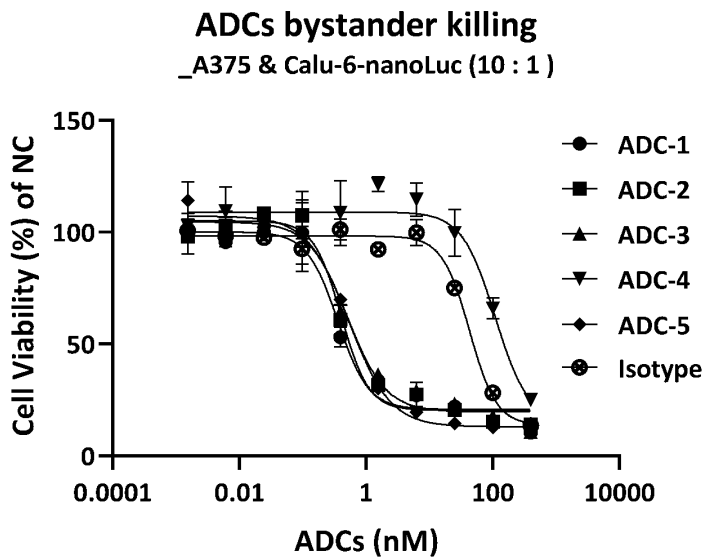
ADC bystander killing assay on A375/Clau6 system
Figure 37



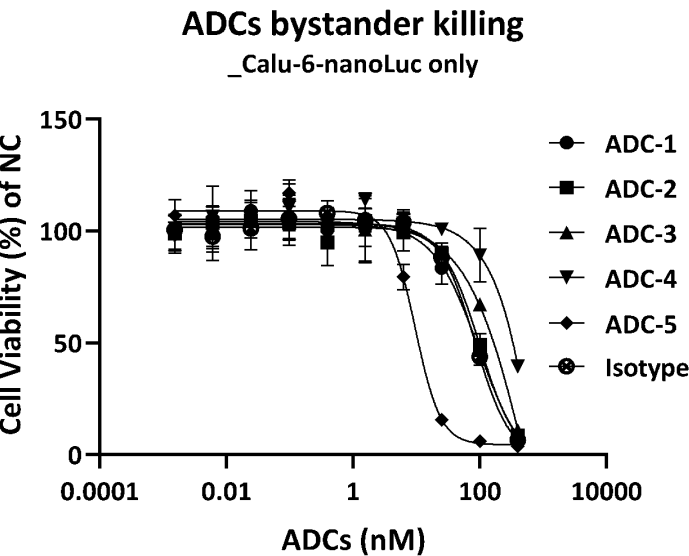
ADC killing assay on Clau6-nanoLuc system
Figure 38



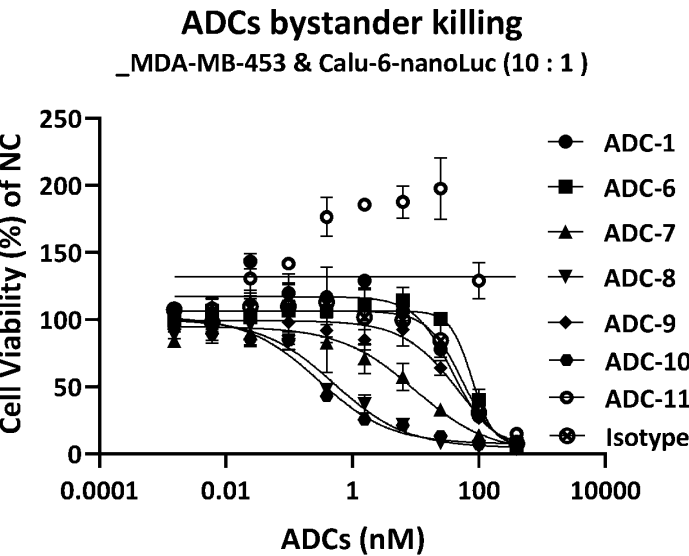
ADC bystander killing assay on MDA-MC-453/Clau6 system
Figure 39



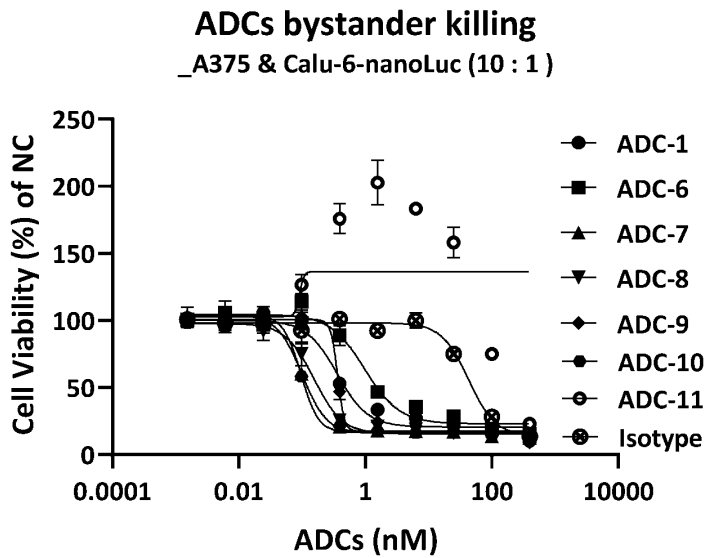
ADC bystander killing assay on A375/Clau6 system
Figure 40



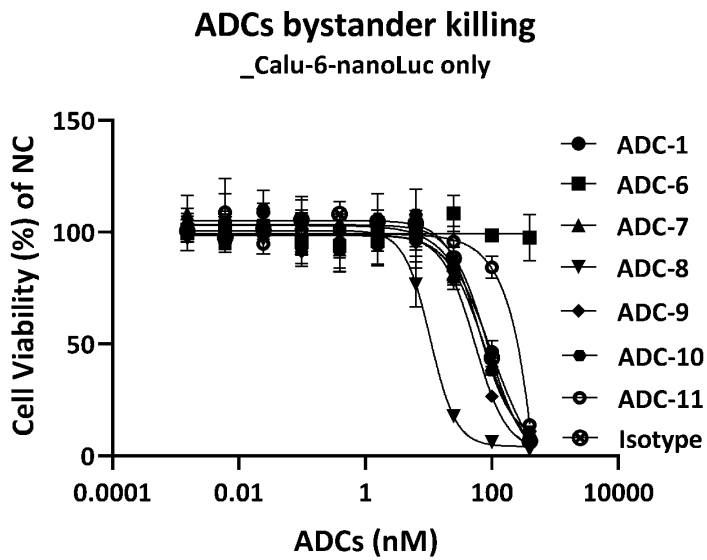
ADC killing assay on Clau6-nanoLuc system
Figure 41



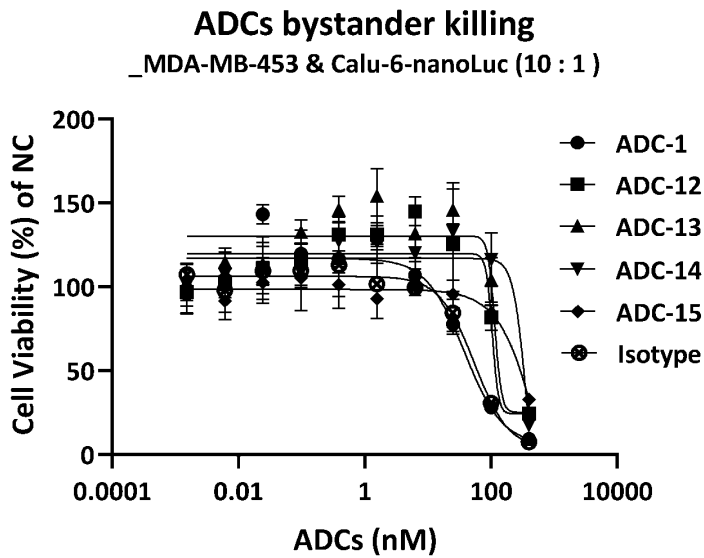
ADC bystander killing assay on MDA-MC-453/Clau6 system
Figure 42



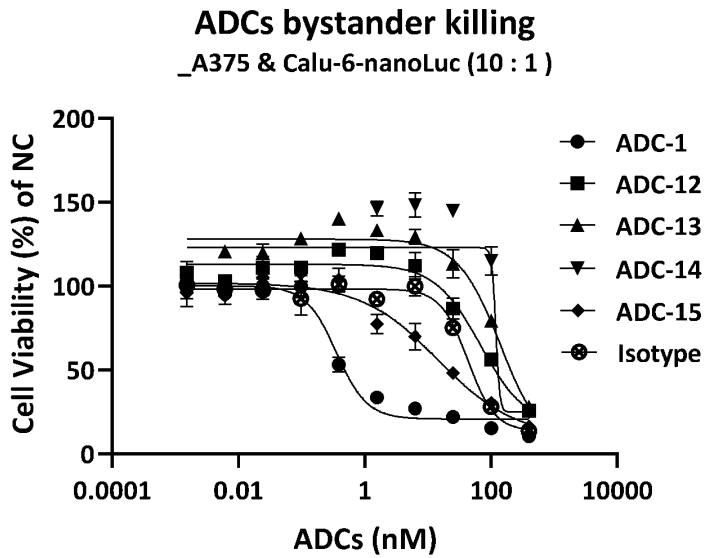
ADC bystander killing assay on A375/Clau6 system
Figure 43



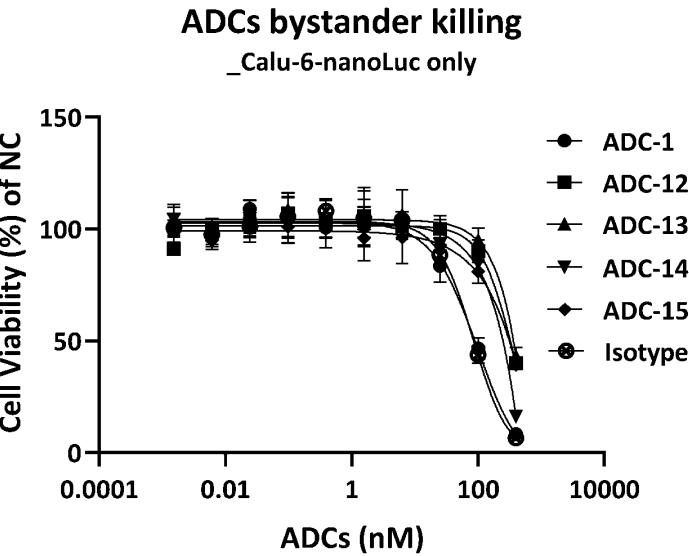
ADC killing assay on Clau6-nanoLuc system
Figure 44



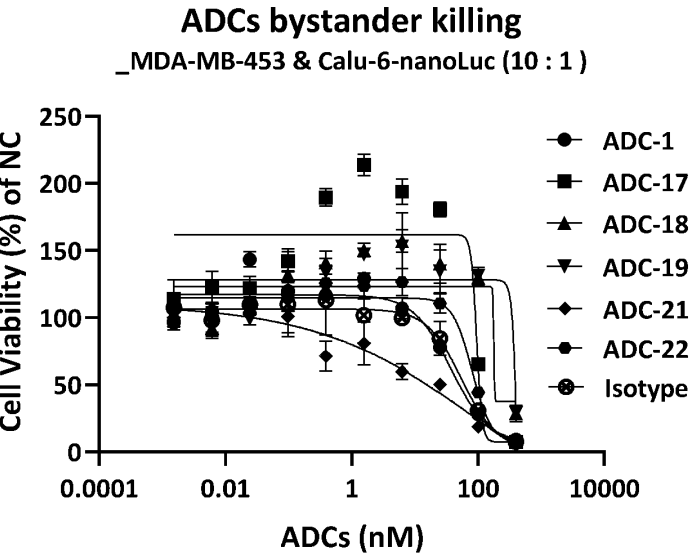
ADC bystander killing assay on MDA-MC-453/Clau6 system
Figure 45



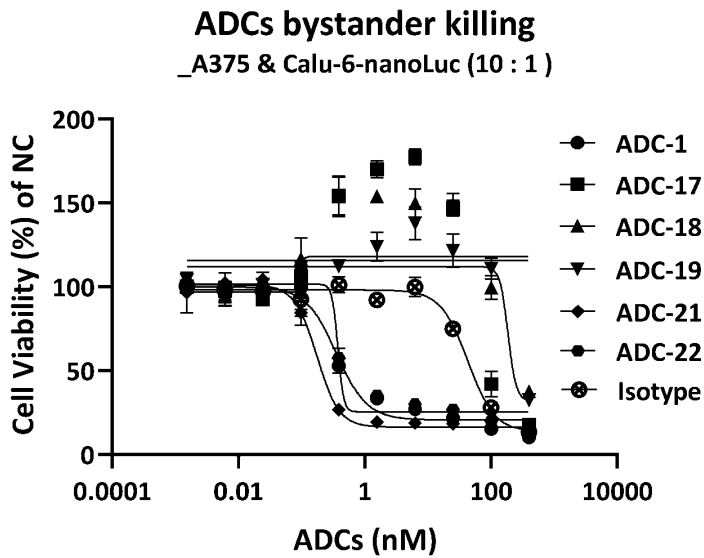
ADC bystander killing assay on A375/Clau6 system
Figure 46



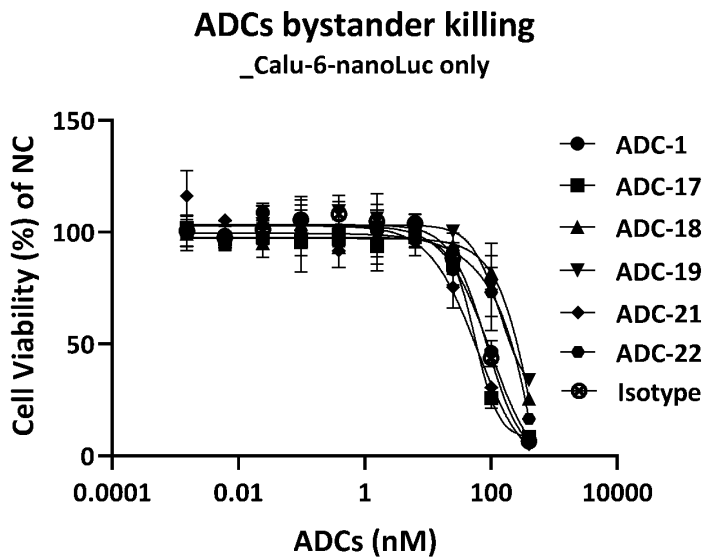
ADC killing assay on Clau6-nanoLuc system
Figure 47



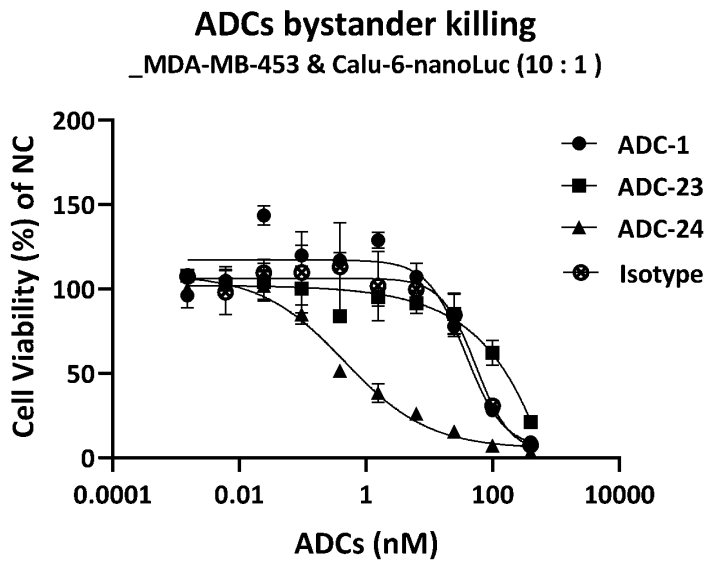
ADC bystander killing assay on MDA-MC-453/Clau6 system
Figure 48



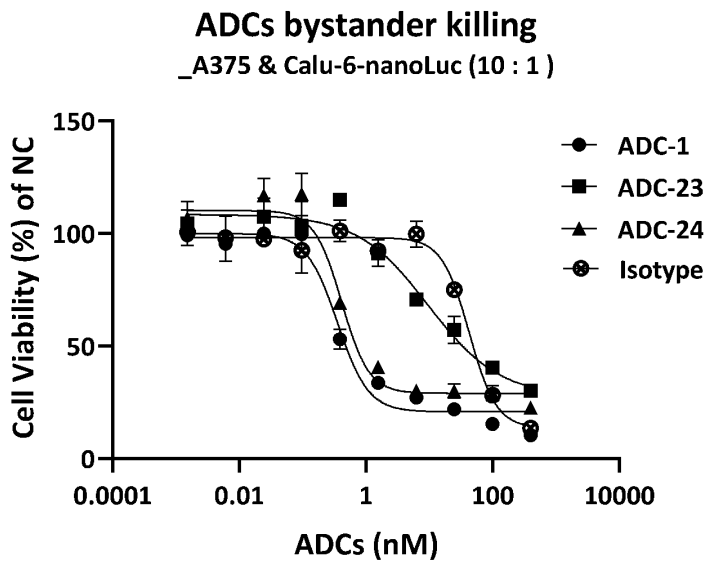
ADC bystander killing assay on A375/Clau6 system
Figure 49



ADC killing assay on Clau6-nanoLuc system
Figure 50



ADC bystander killing assay on MDA-MC-453/Clau6 system
Figure 51



ADC bystander killing assay on A375/Clau6 system
Figure 52

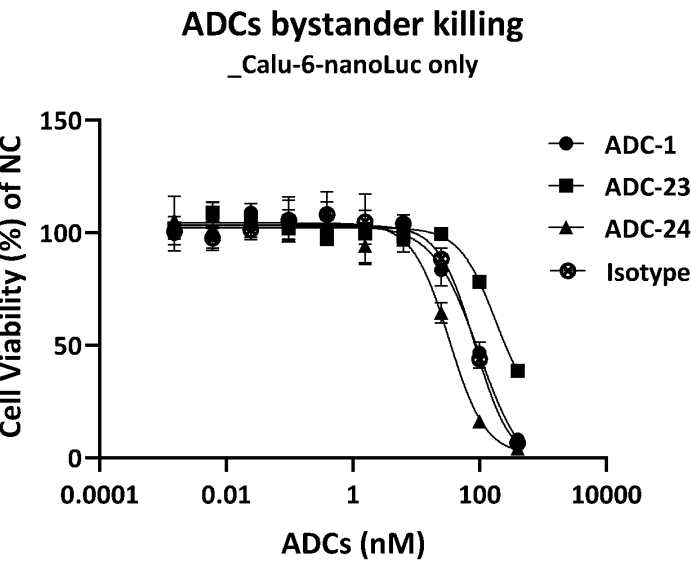
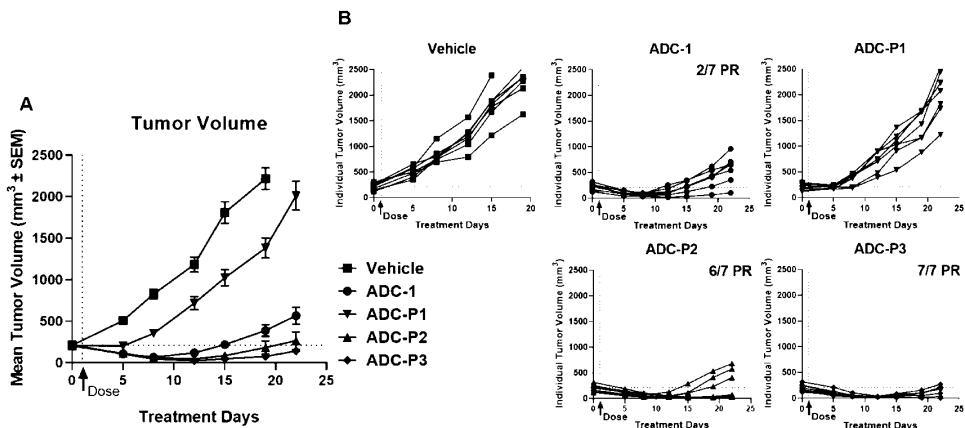
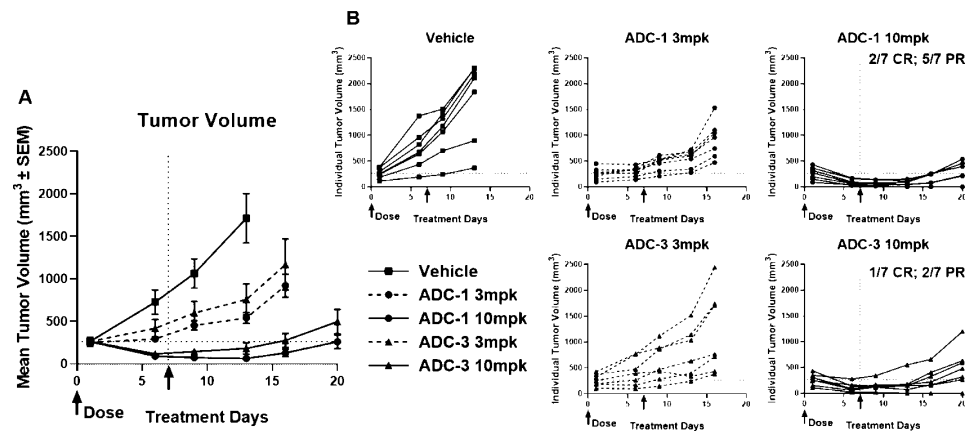


Figure 53

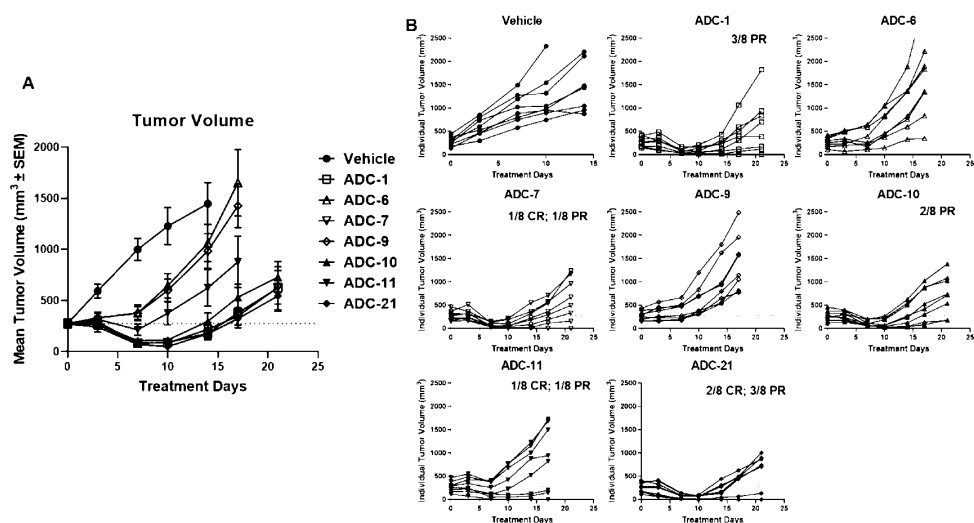


Efficacy Study on A375 model
Figure 54



Efficacy Study on A375 model

Figure 55



Efficacy Study on A375 model

Figure 56

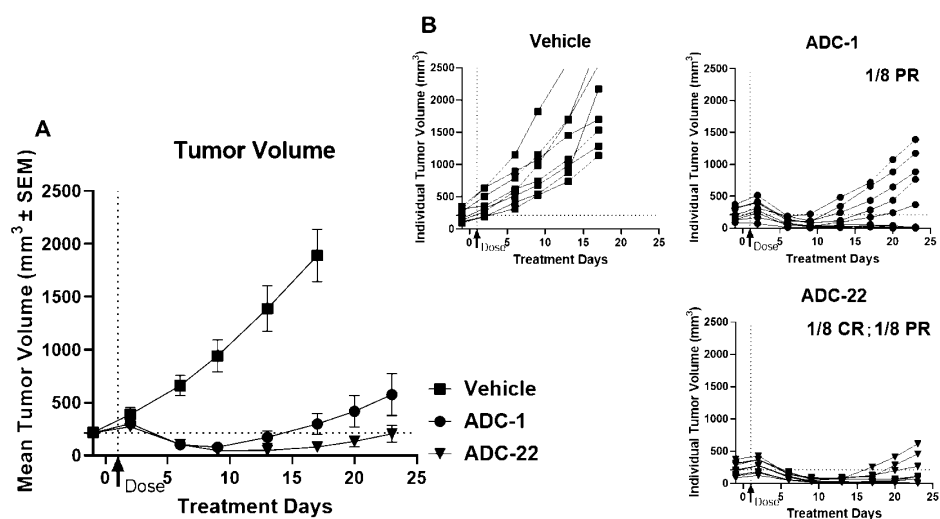


Figure 57 Efficacy Study on A375 model

Figure 57

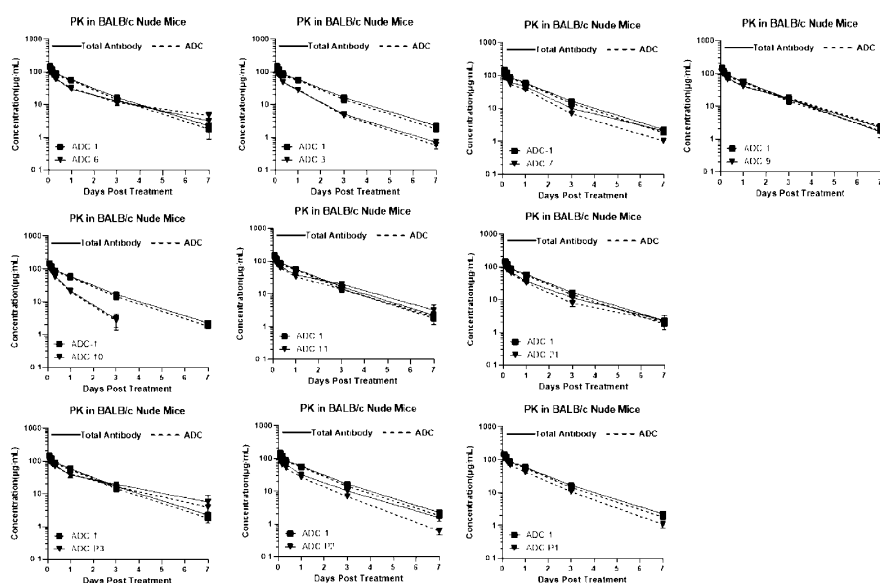


Figure 58 PK profiles of tested ADCs in BALB/c Nude Mice

Figure 58

mAb10

VH:

EVQLLESGGGLVQPGGSLRLSCAVSGGSFSGYYWSWIRQAPGKGLEWIGEINHSGSTNYPNPSLKSRFTISVDNSKNTFYLL
QMNSLRAEDTAVYYCARDKWTWYFDLWGRGTLTVSS (SEQ ID NO: 1)

VK:

DIEMTQSPDSLAVSLGERATINCRSSQSVLYSSSNRNYLAWYQQNPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTIT
SSLQAEDVAVYYCQYYSTPRTFGQGTKVEIK (SEQ ID NO: 2)

mAb10 heavy chain protein sequence:

EVQLLESGGGLVQPGGSLRLSCAVSGGSFSGYYWSWIRQAPGKGLEWIGEINHSGSTNYPNPSLKSRFTISVDNSKNTFYLL
QMNSLRAEDTAVYYCARDKWTWYFDLWGRGTLTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVS
WNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPPELLG
GPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWL
NGKEYCKCKVSNKALPAPIEKTIKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKT
TPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK (SEQ ID NO: 3)

mAb light chain protein sequence:

DIEMTQSPDSLAVSLGERATINCRSSQSVLYSSSNRNYLAWYQQNPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTIT
SSLQAEDVAVYYCQYYSTPRTFGQGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNA
LQSGNSQESVTEQDSKSTYLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 4)

mAb10 heavy chain DNA sequence:

GAGGTGCAACTGCTGGAGAGCGGCGGGGCTCGTGCAACCGGGGGCTCCCTGAGACTGAGCTGCGCCGTGAGC
GGCGGCAGCTTCAGCGGCTACTACTGGAGCTGGATCAGACAAGCCCCGGCAAGGGCCTGGAGTGGATCGGCGAG
ATCAACCACAGCGGCAGCACC AACTACAACCTAGCCTGAAGAGCAGATTACCATCAGCGTGGACAACAGCAAG
AACACCTTCTACCTGCAGATGAACAGCCTGAGAGCCGAGGACACCGCCGTGTACTACTGCGCTAGAGACAAGTGG
ACCTGGTACTTCGACCTGTGGGGCAGAGGCACCTGGTGACCGTGAGCAGCGCTAGACCAAGGGGCCCTCGGTC

TTCCCCCTGGCACCCTCCTCCAAGAGTACTTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCC
CCGAACCGGTGACGGTGTCTGTGGAATCAGGCGCCCTGACCAGCGCGTGCACACCTTCCCGGCTGTCTACAGTC
CTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGCTTGGGCACCCAGACCTACATCTGCAAC
GTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAAAGTTGAGCCCAAATCTTGTGACAAAACCTACACATGC
CCACCGTGCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCTCTTCCCCCAAACCCAAGGACACCCCTCA
TGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACT
GGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGT
GTGGTCAGCGTCTCACCCTCCTGCACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAA
GCCCTCCCAGCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCCGAGAACCACAGGTGTACACCCTG
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ATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACCTACAAGACCACGCTCCCGTGTCTGGACTCCGAC
GGCTCTTCTTCTCTACAGCAAGCTCACCCTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCG
TGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 5)

mAb10 light chain DNA sequence:

GACATCGAGATGACACAGAGCCCCGACAGCCTGGCCGTGAGCCTGGGCGAGAGAGCCACCATCAACTGCAGAAG
CAGCCAAAGCGTGCTGTACAGCAGCAGCAACAGAAACTACCTGGCCTGGTATCAGCAGAACCCCGGGCAGCCCC
CAAGCTGTGTACTACTGGGCTCCACAAGAGAGAGCGGCGTGCCGACAGATTCAGCGGCAGCGGCAGCGGCAC
CGACTTCACCCTGACCATCAGCAGCCTGCAAGCCGAGGACGTGGCCGTGTACTACTGTCTCAGCAGTACTACAGCACC
CCTAGAACCTTCGGCCAAGGCACCAAGGTGGAGATCAAGCGTACGGTGGCGGCGCCATCTGTCTTCTTCCCGC
CATCTGATGAGCAGTTGAAATCTGGTACCGCTAGCGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAA
AGTACAGTGGAAGGTGGATAACGCCCTCCAATCGGGTAACCTCCAGGAGAGTGTACAGAGCAGGACAGCAAGG
ACAGCACCTACAGCCTCAGCAGCACCTGACGCTGAGCAAAGCAGACTACGAGAAACACAAAGTCTACGCTGCG
AAGTACCCATCAGGGCCTGAGCTCGCCGTCACAAAGAGCTTCAACAGGGGAGAGTGTTAG (SEQ ID NO: 6)

Figure 59